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ABSTRACT

Presented is a statistical summary of program cost data of students enrolled in collegiate allied health programs. Opportunities for students financing their education through scholarships, stipends, loans, or work-study programs are also presented. The data represent 5,035 allied health programs offered at 889 senior colleges and 539 junior or community colleges in the U.S. for the 1973-74 academic year. Student cost information on 146 specific allied health occupations is reported. This covers fixed institutional charges for tuition in addition to costs for books, lab fees, uniforms, and other important items. Supplies, social expenses, and room and board are not included. Data are presented in tabular form with some narration. (MSE)

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Collegiate Programs in Allied Health Occupations

Program Cost and Financial Aid



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The American Society of Allied Health Professions (ASAHP) is a national educational association dedicated to the broad concerns of nearly three million Americans working in a wide range of health occupations known collectively as "allied health." Represented in this grouping are professionals from over 150 distinct specialties whose preparation ranges from post-high school to post-graduate school.

Our Membership consists of allied health educators, professional association administrators, and health practitioners who gather each year to discuss mutual concerns involving legislation, health manpower, continuing education, rural health care, minority barriers in health professions and much more.

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COLLEGIATE PROGRAMS IN
ALLIED HEALTH OCCUPATIONS:

PROGRAM COSTS
AND
FINANCIAL AID

PREPARED BY:
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AMERICAN SOCIETY OF ALLIED HEALTH
PROFESSIONS
ONE DUPONT CIRCLE
WASHINGTON, D.C.
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INTRODUCTION

A major concern in the education of allied health students is program funding, especially in light of inflation experienced in recent years. Of particular interest in the recruitment and retention of the collegiate allied health students is the cost they must bear in their education program. Many students must rely on some form of financial aid to help finance their education.

This report, the fourth in a series of five reports, presents a statistical summary of program cost data for students enrolled in collegiate allied health education programs. Opportunities for students financing their education through scholarships, stipends, loans, or work-study programs, are also presented in the report.

These data represent 5,053 allied health programs offered at 889 senior colleges and 539 junior or community colleges within the United States for the 1973-1974 academic year. Student cost information on 146 specific allied health occupations is presented in the report. The other reports in the series deal with an overview of allied health education, entrance requirements, organizational location, and clinical affiliations.

Student cost data presented in this report provide information as to fixed institutional charges for tuition, in addition to costs for books,

lab fees, uniforms and "other" items. It should be noted that these cost items do not represent all student expenses associated with programs. Not included are expenses such as supplies, athletic and social activities, and on- or off-campus room and/or board charges.

Since collegiate allied health programs vary greatly by degree level and length of time needed for completion, a monthly student cost figure was computed to facilitate comparability. This cost figure was derived by dividing the number of months required to complete a given program into its total program cost (i.e. tuition, books, lab fees, and "other" costs). The average (mean) monthly cost of programs is the basic cost estimate shown in the tables of this report. In this report cost information is shown for both programs and occupations but not institutions. Other reports are available which provide cost data by name and type of institution.^{1,2}

Allied health education programs, as defined in these reports, include programs for personnel in public health, special education, and allied health who work in the areas of patient care, education, public health research, and environmental health. Such workers function at professional, technical, or supervisory levels and work independently or supplement the activities of physicians, dentists and registered nurses or other health professionals. Occupations included within allied health are defined in the American Society of Allied Health Professions (ASAHP) Glossary of Health Occupations Titles found in Appendix A.

Data Collection

Early in 1973, two-year and four-year colleges and universities having or planning to have allied health occupations training programs were identified through a survey of presidents/academic deans for 3,069 institutions listed in the Education Directory--Higher Education, 1972-1973 published by the U.S. Office of Education. These officials were asked to identify the health occupation programs offered at their institutions. Of the 3,069 officials who were sent a questionnaire, 2,901 or 95 percent, responded. Of the respondents, 1,327 reported at least one ongoing program, for a total of 5,338 programs.

To insure the most complete coverage of collegiate programs possible, a list of programs compiled from responses to the survey was submitted for review to state health career councils and compared with professional organizations program listings. An additional 3,130 programs were identified for possible inclusion in the survey through these sources. Program directors participating in the second phase of the survey identified 601 additional collegiate programs. As a result, a total of 9,069 active health occupation programs were identified and surveyed for specific program information.

In October, 1973, questionnaires (Appendix B) were sent to program administrators, along with the ASAHP Glossary of Health Occupation Titles (Appendix A). While the definitions of occupations in the Glossary serve the purpose of collecting uniform data, they are not intended to resolve the issue of standardization of terminology. Furthermore, the occupational

definitions in the Glossary are not intended to reflect the full scope of the occupations listed, nor do they necessarily include all occupations considered allied health, public health or special education.

Of the 9,069 active programs initially identified for possible inclusion in the survey, 4,016 were excluded either because they did not meet the survey criteria discussed below (1,774) or because requested information was not returned (2,242)³. As a result, this report provides information on 5,053 programs in two-year and four-year colleges and universities.

Survey Criteria

In order for a college program to be included in this survey, it must have met the following three requirements:

- (1) The first class of students must have been enrolled on or before October 15, 1973.
- (2) A diploma, certificate, or degree is granted by the institution after the professional component of the program has been completed.
- (3) The program must be at least 36 clock hours in duration.

Because a number of health occupations are not commonly considered allied health, they were excluded from the data collection. The excluded occupations are: physicians (M.D., D.O.), dentists, optometrists, pharmacists, podiatrists, veterinarians, natural scientists, e.g., microbiologists; social scientists, including psychologists; nurses (R.N., L.P.N., L.V.N.), engineers, except programs judged to have significant medical or psychiatric content.

Since this is a survey of collegiate institutions which issue a formal

award, programs which only issue a "Certificate of Attendance" are excluded along with hospital-based programs, unless the hospital is within a university medical center.

In addition, programs excluded are those in which students are not (a) required to complete all training considered necessary preparation for the occupation before they are awarded a degree, certificate or diploma by the academic institution, or (b) prepared for transfer to another academic program which does not require completion of such training before a degree, certificate, or diploma is awarded. Also this survey does not include pre-professional education programs, except for baccalaureate programs in speech pathology and audiology.

Survey Directories

Two directories have been published from the data collected in the survey which identify specific allied health programs by the names and addresses of institutions offering them. The Allied Health Education Programs in Junior and Senior Colleges, 1973-1974; Health Planners Edition, Volumes I and II; and Allied Health Education Programs in Junior and Senior Colleges, 1973-1974: Guidance Edition. Both directories can be ordered from the Office of Information, Bureau of Health Manpower, Health Resources Administration, Building 31, Room 5B63, National Institutes of Health, 9000 Rockville Pike, Bethesda, Maryland 20014.

Organization of Report

The description of data in this report is presented in two parts. Part I deals with a statistical overview of program cost data for students enrolled in collegiate allied health programs and includes information on costs by type and control of institution, for award level, type of program, number of affiliation arrangements, credit hour system, program accreditation status, year program established, and geographical region for both undergraduate and graduate schools. Information is presented on financial aid available for students by institution type.

Part II presents data reference summaries on student costs associated with individual allied health occupations. This cost information is provided in three sections: programs offered at universities are summarized in Section A, those offered at four-year colleges in Section B, and those offered at two-year colleges in Section C.

Definitions of occupations and program characteristics are found in the ASAHIP Glossary of Health Occupation Titles (Appendix A) and the Questionnaire (Appendix B). Other definitions are found in the text or footnotes.

PART I
NATIONAL OVERVIEW

Information tabulated in this section shows costs charged to students enrolled in allied health programs at 1,428 collegiate institutions in the United States for the 1973-1974 academic year. Program costs refer to charges for tuition, costs for books, lab fees, uniforms, and "other" such items. The principal cost figure employed in this study is a monthly estimate of this total program cost. This measure has been adopted to facilitate comparison between programs of varying length.

Table 1 shows undergraduate and graduate costs per month by type of institution. As might be expected, costs at private schools were highest, followed by those for non-resident students at public schools, and then resident students at public schools. Also universities had the highest cost, followed by "other" four-year institutions (hereinafter referred to as four-year institutions) and two-year institutions. It can also be noted that non-resident costs at public institutions were lower than costs at private institutions. Among undergraduate programs the highest costs averaged \$192 per month at private universities and the lowest costs averaged \$39 per month at two-year public institutions for resident students. Among graduate programs the highest average costs were \$248 per month at private universities and the lowest average costs were \$64 for resident students at public four-year institutions.

Table 2A shows total program costs to the student by type of institution

TABLE 1
UNDERGRADUATE AND GRADUATE COSTS¹ PER MONTH BY
TYPE OF INSTITUTION
1973-1974

Institution Type ²	Undergraduate			Graduate		
	Number	Mean	Std. Dev.	Number	Mean	Std. Dev.
University						
Public						
Resident	525	\$ 71	\$ 60	438	\$ 88	\$ 69
Non-resident	485	158	127	425	178	141
Private	168	192	133	164	248	98
Other Four-Year Inst.						
Public						
Resident	632	57	37	164	64	46
Non-resident	590	121	75	156	135	89
Private	543	178	102	48	179	81
Two-Year Inst.						
Public						
Resident	1,308	39	31			
Non-resident	1,077	87	59			
Private	92	160	76			

1. Includes tuition, books, lab fees, and "other" costs.
(Appendix B, item 37).
2. Excludes 1510 (29.5) programs whose student costs are unknown.

and award level. It can be noted that the longer term programs such as those awarding bachelors or doctoral degrees are most expensive to the student. Additionally, as would be expected, public school resident programs tend to be least expensive and private school programs most expensive.

There is also a tendency for university programs to be more expensive than those in two- and four-year schools. The highest mean total student cost was \$6,887 for doctoral programs at private schools. The lowest mean total student cost was \$59 for Certificate I programs at two-year schools.

Table 2B depicts similar comparisons to those in Table 2A, except for showing monthly rather than total costs. The conclusions reached in Table 2A can generally be extended to Table 2B, namely that longer term programs were most expensive even when one controls for program length by considering monthly costs. Also, private schools and universities tended to have the highest monthly student costs. The highest mean monthly cost was \$261 for Master's degree programs at private universities, while the lowest mean costs was \$10 for resident students enrolled in Certificate IV programs at public universities.

Table 3 indicates that for graduate programs, monthly costs varied little by the type of program offered (basic occupational preparation, advanced education, continuing education, teacher training). However, among undergraduate programs, teacher training programs tended to have the highest costs per month, while programs in two- and four-year institutions tended to

TABLE 2A
PROGRAM COSTS¹
BY TYPE OF INSTITUTION
AND AWARD LEVEL
1973-1974

Institution Type		Public Resident			Public Non-Resident			Private		
		No.	Mean	Std. Dev.	No.	Mean	Std. Dev.	No.	Mean	Std. Dev.
Certificate I (less than 6 months)	Univ.	3	\$ 82	\$ 98	2	\$ 110	\$ 120	2	\$ 313	\$ 159
	4 Yr.	3	85	66	3	125	133	3	283	237
	2 Yr.	170	59	62	106	156	185	1	890	0
Certificate II (6 to 11 months)	Univ.	15	652	567	13	1004	908	4	1122	756
	4 Yr.	8	484	243	9	828	534	7	1050	585
	2 Yr.	175	336	238	139	918	570	3	1800	606
Certificate III (12 to 23 months)	Univ.	42	648	913	35	1282	1707	24	1054	1380
	4 Yr.	15	570	349	12	1160	1029	7	503	234
	2 Yr.	93	428	287	82	905	558	2	1213	1644
Certificate IV (24 to 36 months)	Univ.	15	298	299	8	442	548	14	1359	1807
	4 Yr.	5	678	608	4	1265	924	1	450	0
	2 Yr.	8	416	301	6	1108	803	-	-	-
Diploma	Univ.	5	2099	3635	3	4515	6140	3	693	718
	4 Yr.	4	700	538	2	839	376	3	2506	2110
	2 Yr.	37	413	234	32	769	318	1	1739	0
Associate Degree	Univ.	48	1486	602	44	2993	1342	5	2644	1466
	4 Yr.	71	1186	417	68	2441	904	73	3439	1560
	2 Yr.	743	863	520	638	1827	1225	74	3132	1313
Associate & Certificate	Univ.	6	1154	793	5	2888	1990	6	3516	3737
	4 Yr.	15	683	416	9	1188	553	3	3381	824
	2 Yr.	149	748	894	111	1789	860	11	2135	805
Bachelor's Degree	Univ.	327	2218	1982	319	4877	3421	83	7432	3591
	4 Yr.	436	1857	1207	411	3866	2098	397	5721	2548
Bachelor's & Certificate	Univ.	53	2063	1556	49	4396	3021	27	6376	4169
	4 Yr.	82	1562	1099	78	3527	212	51	5506	3407
Collegiate Certificate	Univ.	22	661	729	14	1789	158	10	2455	1620
	4 Yr.	5	501	294	5	867	368	3	1923	568
Master's Degree	Univ.	314	1269	1257	303	2643	2600	112	4015	1720
	4 Yr.	161	957	774	152	1967	1292	44	2696	1186
Master's & Certificate	Univ.	14	1339	755	14	2619	1454	13	4226	175
	4 Yr.	9	831	585	8	1385	1078	3	2595	74
Certificate of Adv. Standing	Univ.	3	738	1094	2	108	60	3	2987	2941
	4 Yr.	2	608	46	2	878	428	1	350	0
Doctoral Degree	Univ.	115	2578	1753	112	5297	3853	42	6687	3443
	4 Yr.	6	2533	1267	6	5124	3992	4	4725	3037
Continuing Ed. Certificate	Univ.	4	323	177	4	323	177	1	1350	0
	4 Yr.	2	638	53	2	638	53	1	1590	0

1. Includes tuition, books, lab fees, and "other" costs (Appendix B, item 37).

TABLE 2B
PROGRAM COSTS¹ PER MONTH
BY TYPE OF INSTITUTION
AND AWARD LEVEL
1973-1974

Institution Type				Public Resident			Public Non-Resident			Private		
				No.	Mean	Std. Dev.	No.	Mean	Std. Dev.	No.	Mean	Std. Dev.
Certificate I (less than 6 months)	Univ.	3	\$ 23	\$ 23	2	\$ 28	\$ 30	1	\$ 50	\$ 0		
	4 Yr.	3	25	24	3	38	47	3	106	102		
	2 Yr.	124	24	23	84	57	44	1	222	0		
Certificate II (6 to 11 months)	Univ.	15	68	50	13	103	83	3	167	62		
	4 Yr.	8	51	26	9	88	57	7	107	59		
	2 Yr.	164	37	25	131	98	62	3	200	67		
Certificate III (12 to 23 months)	Univ.	39	38	47	33	74	92	23	80	102		
	4 Yr.	15	39	20	12	73	55	7	38	19		
	2 Yr.	89	34	21	79	70	42	2	101	138		
Certificate IV (24 to 36 months)	Univ.	14	10	9	7	12	10	13	67	88		
	4 Yr.	5	32	27	4	60	43	1	19	0		
	2 Yr.	8	19	12	6	53	42	-	-	-		
Diploma	Univ.	3	126	109	2	245	108	2	53	43		
	4 Yr.	-	35	18	2	34	18	3	201	187		
	2 Yr.	-	37	17	31	72	30	1	97	0		
Associate Degree	Univ.	3	76	31	44	154	66	5	120	34		
	4 Yr.	70	61	23	67	123	48	73	176	90		
	2 Yr.	739	44	29	635	92	63	74	165	74		
Associate & Certificate	Univ.	6	68	47	5	174	116	6	187	210		
	4 Yr.	15	33	17	9	51	19	3	164	80		
	2 Yr.	147	38	49	110	90	44	11	126	83		
Bachelor's Degree	Univ.	324	77	64	317	171	138	79	247	120		
	4 Yr.	428	60	40	403	126	82	393	182	102		
Bachelor's & Certificate	Univ.	52	86	58	48	183	104	27	215	119		
	4 Yr.	79	57	36	76	127	64	50	183	114		
Colloquiate Certificate	Univ.	21	43	34	14	113	86	9	212	101		
	4 Yr.	45	41	18	5	73	15	3	193	49		
Master's Degree	Univ.	309	89	74	299	184	151	106	261	92		
	4 Yr.	149	63	46	141	137	85	42	184	82		
Master's & Certificate	Univ.	14	99	85	14	196	176	15	246	102		
	4 Yr.	6	61	49	6	90	64	1	217	0		
Certificate of Adv. Standing	Univ.	3	76	108	2	13	11	3	181	100		
	4 Yr.	1	48	0	1	48	0	-	-	-		
Doctoral Degree	Univ.	109	84	49	107	166	102	41	225	109		
	4 Yr.	6	77	65	6	163	187	4	137	85		
Continuing Ed. Certificate	Univ.	3	54	11	3	54	11	1	113	0		
	4 Yr.	2	61	7	2	61	7	1	99	0		

1. Includes tuition, books, lab fees, and "other" costs (Appendix B, item 37).

TABLE 3
PROGRAM COSTS¹ PER MONTH BY TYPE OF
INSTITUTION BY TYPE OF PROGRAM²
1973-1974

A. UNDERGRADUATE

Program Type		Public Resident			Public Non-resident			Private		
		No.	Mean	Std. Dev.	No.	Mean	Std. Dev.	No.	Mean	Std. Dev.
Basic	Univ.	450	\$ 73	\$ 61	422	\$159	\$130	153	\$196	\$135
Occupational	4 Yr.	585	57	37	547	122	76	510	177	104
Preparation	2 Yr.	1266	39	30	1047	87	58	91	161	77
Advanced	Univ.	63	56	44	52	135	100	12	146	117
Education	4 Yr.	34	63	42	30	108	65	27	187	84
	2 Yr.	35	42	35	26	97	68	1	144	0
Continuing	Univ.	3	41	55	2	139	191	1	50	0
Education	4 Yr.	1	8	0	1	8	0	-	-	-
	2 Yr.	7	6	4	4	7	4	-	-	-
Teacher	Univ.	9	100	47	9	236	102	1	304	0
Training	4 Yr.	12	53	36	12	121	89	6	163	62

B. GRADUATE

Basic	Univ.	82	87	44	79	187	121	29	260	70
Occupation	4 Yr.	59	58	44	55	137	87	9	183	50
Preparation										
Advanced	Univ.	314	88	77	307	178	153	97	234	107
Education	4 Yr.	87	66	48	84	135	90	25	195	84
Continuing	Univ.	3	89	97	2	34	17	2	210	137
Education	4 Yr.	1	56	0	1	56	0			
Teacher	Univ.	39	85	29	37	167	49	3	203	49
Training	4 Yr.	17	69	44	16	131	100	6	195	44

1. Includes tuition, books, lab fees and "other" costs (Appendix B, item 37).

2. Excludes 972 (19.2%) program whose costs or program types are unknown.

have the lowest costs per month.

Table 4 shows the monthly costs of programs by the number of affiliations maintained by the program. Among undergraduate programs at universities, monthly program costs generally increased as the number of affiliation arrangements increased. This relationship is not as evident among two- and four-year institutions or for graduate programs.

Table 5 presents monthly program costs by the type of credit system utilized at the institution. The data appears to indicate that for undergraduate programs, costs are not related to the credit hour system employed. However, among graduate programs, there is some tendency for programs at schools on a trimester system to cost most and programs at schools on a semester system to cost the least.

When considering program accreditation status, it appears that programs having only their clinical portion approved had lower costs at the undergraduate and graduate levels (Table 6). An exception exists in private undergraduate programs where costs for those with only the clinical portion approved were among the higher costs reported.

Monthly program costs as they relate to years in which programs were established are presented in Table 7. Although evident that no unique differences exist between the cost of a program and the year it was established, the table has been included for informational purposes.

TABLE 4
PROGRAM COSTS¹ PER MONTH BY TYPE OF INSTITUTION
AND NUMBER OF AFFILIATION ARRANGEMENTS²
1973-1974

A. UNDERGRADUATE

Number of Affiliations		Public Resident			Public Non-Resident			Private		
		No.	Mean	Std. Dev.	No.	Mean	Std. Dev.	No.	Mean	Std. Dev.
1 - 2	Univ.	216	\$ 63	\$ 42	195	\$141	\$ 83	67	\$164	\$138
	4 Yr.	307	56	36	285	117	84	317	172	99
	2 Yr.	796	38	31	647	85	49	46	151	53
3 - 4	Univ.	58	73	48	55	144	94	26	216	119
	4 Yr.	81	61	49	78	134	78	55	176	89
	2 Yr.	172	40	31	143	92	63	6	226	91
5 - 6	Univ.	42	74	47	40	161	81	10	257	154
	4 Yr.	42	53	27	38	116	48	24	185	107
	2 Yr.	60	41	31	46	88	43	7	43	84
7 & Over	Univ.	51	111	129	48	259	288	18	241	116
	4 Yr.	27	61	35	26	118	68	28	226	107
	2 Yr.	57	45	44	45	118	155	8	144	56

B. GRADUATE

1 - 2	Univ.	114	83	55	109	166	121	49	228	97
	4 Yr.	50	58	37	49	122	73	16	173	97
3 - 4	Univ.	73	91	54	72	200	130	26	270	77
	4 Yr.	34	80	67	31	177	141	5	185	44
5 - 6	Univ.	41	103	161	39	219	332	13	252	67
	4 Yr.	22	51	18	21	111	45	3	225	69
7 & Over	Univ.	31	89	45	29	176	83	17	258	87
	4 Yr.	16	55	28	15	125	61	8	178	72

1. Includes tuition, books, lab fees, and "other" costs (Appendix B, item 37).

2. Excludes 971 (19.2%) programs whose number of affiliations is unknown.

TABLE 5
PROGRAM COSTS¹ PER MONTH BY TYPE OF
INSTITUTION AND BY CREDIT HOUR SYSTEM²
1973-1974

A. UNDERGRADUATE

Credit Hour System		Public Resident			Public Non-Resident			Private		
		No.	Mean	Std. Dev.	No.	Mean	Std. Dev.	No.	Mean	Std. Dev.
Semester	Univ.	290	\$ 71	\$ 63	274	\$146	\$ 92	102	\$218	\$129
	4 Yr.	403	56	38	377	121	80	396	178	106
	2 Yr.	778	38	27	633	88	52	71	157	73
Quarter	Univ.	198	77	55	180	188		31	200	131
	4 Yr.	198	62	36	185	122	67	76	162	75
	2 Yr.	460	43	36	389	88	69	15	164	65
Trimester	Univ.	11	68	57	9	144	122	7	179	114
	4 Yr.	15	60	25	15	138	48	25	197	97
	2 Yr.	27	41	19	22	87	44	-	-	-

B. GRADUATE

Semester	Univ.	232	78	51	225	162	102	120	237	94
	4 Yr.	117	61	44	112	132	82	36	180	71
Quarter	Univ.	179	76	88	173	192	183	35	312	82
	4 Yr.	44	71	53	41	140	110	8	206	115
Trimester	Univ.	17	119	59	17	235	116	-	-	-
	4 Yr.	1	82	0	1	184	0	-	-	-

1. Includes tuition, books, lab fees and "other" costs (Appendix B, Item 37).

2. Excludes 1162 (23.0%) programs whose credit hour system is unknown.

TABLE 6
PROGRAM COSTS¹ PER MONTH BY TYPE OF INSTITUTION
AND BY PROGRAM ACCREDITATION
STATUS²
1973-1974

A. UNDERGRADUATE

Program Accreditation Status		Public Resident			Public Non-Resident			Private		
		No.	Mean	Std. Dev.	No.	Mean	Std. Dev.	No.	Mean	Std. Dev.
Accredited/ Approved	Univ.	331	\$72	\$65	303	\$158	\$105	113	\$173	\$120
	4 Yr.	314	57	40	295	119	87	277	167	106
	2 Yr.	443	43	23	379	93	51	19	135	57
Accreditation/ Approval in Process	Univ.	43	60	27	40	139	63	10	134	166
	4 Yr.	53	54	25	49	130	58	58	173	87
	2 Yr.	327	39	22	284	85	47	22	162	71
Only Clinical Portion Approved	Univ.	13	42	24	12	98	53	5	235	44
	4 Yr.	44	48	26	41	97	59	54	194	87
	2 Yr.	5	34	8	4	71	27	-	-	-
Approval not Sought	Univ.	13	79	54	11	139	37	9	189	141
	4 Yr.	28	59	30	25	129	46	33	174	127
	2 Yr.	85	41	28	61	94	54	3	231	140
Program Too New	Univ.	20	62	31	19	148	81	6	255	128
	4 Yr.	34	73	59	33	119	76	31	176	75
	2 Yr.	82	44	27	72	82	42	12	209	86
No Accreditation Exists	Univ.	102	77	60	96	179	207	23	268	131
	4 Yr.	144	57	31	134	129	60	74	218	95
	2 Yr.	337	35	40	257	83	81	32	156	74

B. GRADUATE

Accredited/ Approved	Univ.	173	86	89	168	183	191	66	272	86
	4 Yr.	68	67	47	63	141	104	19	190	97
Accreditation/ Approval in Process	Univ.	18	87	41	15	177	55	7	267	95
	4 Yr.	17	70	71	16	158	113	6	174	56
Only Clinical Portion Approved	Univ.	6	57	36	6	123	75	2	144	34
	4 Yr.	11	42	23	10	108	43	1	176	0
Approval not Sought	Univ.	16	72	42	15	145	62	6	229	119
	4 Yr.	7	68	47	7	110	69	3	163	84
Program Too New	Univ.	9	91	61	8	201	108	1	228	0
	4 Yr.	11	70	22	10	135	74	2	217	118
No Accreditation Exists	Univ.	202	91	55	199	178	103	80	232	101
	4 Yr.	44	55	32	44	116	59	14	174	81

1. Includes tuition, books, lab fees and "other" costs (Appendix B, Item 37).
2. Excludes 1065 (21.1%) programs whose accreditation status is unknown.

TABLE 7
PROGRAM COSTS¹ PER MONTH BY TYPE OF INSTITUTION AND
BY YEAR PROGRAM ESTABLISHED
1972-1973

A. UNDERGRADUATE

Year Program Established		Public Resident			Public Non-Resident			Private		
		No.	Mean	Std. Dev.	No.	Mean	Std. Dev.	No.	Mean	Std. Dev.
Prior to 1961	Univ.	210	\$72	\$ 45	200	\$159	\$ 85	77	\$200	\$121
	4 Yr.	164	54	55	153	120	97	204	172	95
	2 Yr.	71	34	32	54	96	46	15	187	83
1961 to 1969	Univ.	166	63	44	150	141	94	54	189	137
	4 Yr.	230	57	34	215	119	63	109	164	87
	2 Yr.	560	42	28	466	94	69	33	147	67
1970 to 1973	Univ.	145	80	87	131	177	195	35	188	154
	4 Yr.	225	61	41	209	124	71	209	189	110
	2 Yr.	664	38	32	546	81	49	43	161	80

B. GRADUATE

Prior to 1961	Univ.	173	95	52	172	187	112	81	252	111
	4 Yr.	31	66	53	30	145	112	15	196	99
1961 to 1969	Univ.	176	81	88	171	166	174	42	246	76
	4 Yr.	81	63	50	77	126	89	17	180	77
1970 to 1973	Univ.	82	84	51	76	183	121	36	254	85
	4 Yr.	51	62	32	48	141	73	14	171	66

1. Includes tuition, books, lab fees and "other" costs (Appendix B, item 37).
2. Excludes 1037 (20.5%) programs whose year of establishment is unknown.

When looking at geographical region⁴ among undergraduate institutions, the highest average monthly costs per program tended to be in the Mideast region, particularly for non-residents at public schools. On the whole, the lowest monthly program costs occurred in the Southwest region (Table 8A). Exceptions to the previous generalizations exist among private institutions in the New England region which tended to have the highest costs, particularly at universities and two-year schools. Also, the outlying region had the lowest costs of any of the regions, but has relatively few programs reported in the table.

Among the graduate programs, the Great Lakes region overall showed the highest monthly costs for programs, particularly for students enrolled at private institutions (Table 8B). The Mideast region also showed higher costs than the other regions. While less clearcut, the lowest graduate program costs seemed to be in the Southwest region, particularly for resident students at public institutions.

Table 9 shows the number of programs utilizing the various types of financial aid available to students enrolled in collegiate allied health programs. It can be seen that each type of institution had an average of five types of financial aid available to students per program.

Work/study programs and the G.I. Bill were the most frequently found types of financial aid available to eligible students. Federally insured loans and institutional scholarships were also more available than other

TABLE 8A
UNDERGRADUATE PROGRAM COSTS¹ PER MONTH BY TYPE OF
INSTITUTION AND BY GEOGRAPHIC REGION
1973-1974

Geographic Region		Public Resident			Public Non-Resident			Private		
		No.	Mean	Std. Dev.	No.	Mean	Std. Dev.	No.	Mean	Std. Dev.
NEW ENGLAND	Univ.	29	\$101	\$150	29	\$187	\$165	13	\$255	\$165
	4 Yr.	17	38	17	15	85	45	55	201	98
	2 Yr.	64	43	32	59	75	56	26	182	80
MIDEAST	Univ.	31	103	55	29	196	77	59	196	146
	4 Yr.	80	81	48	75	138	76	105	180	100
	2 Yr.	197	55	30	170	109	54	17	177	87
GREAT LAKES	Univ.	238	91	80	127	168	91	29	209	102
	4 Yr.	90	65	32	90	137	61	111	170	68
	2 Yr.	266	46	25	220	107	80	18	168	66
PLAINS	Univ.	77	72	53	70	153	87	14	232	114
	4 Yr.	61	54	38	55	105	136	86	190	121
	2 Yr.	107	58	55	91	93	50	16	137	62
SOUTHEAST	Univ.	254	69	56	128	146	189	33	128	120
	4 Yr.	211	57	37	200	105	60	108	171	115
	2 Yr.	254	33	23	219	60	35	11	123	78
SOUTHWEST	Univ.	43	54	29	43	138	66	13	222	116
	4 Yr.	65	38	23	57	115	57	29	137	78
	2 Yr.	131	32	16	111	72	43	1	118	0
ROCKY MOUNTAIN	Univ.	25	70	24	25	177	77	4	79	58
	4 Yr.	27	53	19	24	117	42	8	261	194
	2 Yr.	27	39	24	24	124	35	1	81	0
FAR WEST	Univ.	34	60	38	30	144	90	3	232	100
	4 Yr.	81	49	35	74	153	76	41	163	90
	2 Yr.	262	22	21	183	80	52	1	122	0
OUTLYING REGION	Univ.	7	32	5	4	37	11	1	124	0

1. Includes tuition, books, lab fees and "other" costs (Appendix B, item 37).

2. Excludes 966 (19.1%) programs whose geographic region is unknown.

TABLE 2B
GRADUATE PROGRAM COSTS¹ PER MONTH BY TYPE OF
INSTITUTION AND BY GEOGRAPHIC REGION
1973-1974

Geographic Affiliation		Public Resident			Public Non-Resident			Private		
		No.	Mean	Std. Dev.	No.	Mean	Std. Dev.	No.	Mean	Std. Dev.
NEW ENGLAND	Univ.	12	\$ 68	\$ 34	12	\$116	\$ 45	27	\$234	\$ 88
	4 Yr.	3	47	22	3	71	44	6	214	56
MIDEAST	Univ.	47	104	45	47	165	71	54	264	112
	4 Yr.	16	101	38	15	139	55	15	208	77
GREAT LAKES	Univ.	102	104	108	101	215	219	24	278	100
	4 Yr.	29	102	57	28	246	102	7	145	91
PLAINS	Univ.	51	79	38	51	165	129	8	222	72
	4 Yr.	17	43	15	16	65	32	2	141	58
SOUTHEAST	Univ.	111	83	57	105	171	108	26	263	67
	4 Yr.	38	64	40	38	102	59	5	132	51
SOUTHWEST	Univ.	46	49	16	46	127	40	10	178	81
	4 Yr.	9	34	16	9	113	57	4	98	66
ROCKY MOUNTAIN	Univ.	24	62	16	24	175	36	4	133	115
	4 Yr.	7	66	66	7	165	173			
FAR WEST	Univ.	41	117	62	39	215	153	11	232	86
	4 Yr.	45	39	26	40	118	40	9	204	87
OUTLYING REGION	Univ.	4	74	84	-	-	-	-	-	-

1. Includes tuition, books, lab fees and "other" costs (Appendix B, Item 37).
2. Excludes 966 (19.1%) programs whose geographic region is unknown.

TABLE 9

DISTRIBUTION OF FINANCIAL AID PER
TYPE AND CONTROL OF INSTITUTION
1973-1974

FINANCIAL AID	PUBLIC						PRIVATE					
	University		4-Year		2-Year		University		4-Year		2-Year	
	#	%	#	%	#	%	#	%	#	%	#	%
Scholarships												
Federal	272	4.8	265	5.0	431	6.2	103	5.5	230	6.0	51	8.9
State	289	5.1	382	7.2	508	7.3	107	5.7	330	8.6	64	11.1
Institutional	644	11.3	612	11.5	890	12.9	224	11.9	558	14.5	72	12.5
Program	309	5.4	323	6.1	486	7.0	112	6.0	164	4.3	20	3.5
Work/Study Programs	637	11.2	769	14.5	1099	15.9	158	8.4	541	14.0	86	15.0
Traineeships	323	5.7	131	2.5	49	0.7	112	6.0	50	1.3	4	0.7
Stipends	253	4.4	174	3.3	116	1.7	94	5.0	105	2.7	5	0.9
Fellowships	256	4.5	130	2.4	16	0.2	71	3.8	34	0.9	0	0.0
Assistantships	460	8.1	250	4.7	36	0.5	97	5.2	138	3.6	1	0.2
G.I. Bill	691	12.1	661	12.4	985	14.2	194	10.3	364	9.5	63	11.0
Inst/Clin. Affil. Sal.	176	3.1	109	2.1	115	1.7	63	3.4	87	2.3	5	0.9
Loans												
Federally Insured	567	9.9	615	11.6	819	11.8	217	11.7	468	12.2	74	13.0
Federal	469	8.2	531	10.0	715	10.3	162	8.6	428	11.1	71	12.4
State	247	4.3	277	5.2	456	6.6	115	6.1	277	7.2	43	7.5
Other	122	2.1	90	1.7	203	2.9	48	2.6	79	2.1	15	2.6
TOTAL	5715	100.0	5319	100.0	6924	100.0	1877	100.0	3853	100.0	574	100.0
Average per Program	(5.1)		(5.5)		(4.8)		(4.8)		(5.6)		(5.7)	

000029

000030

types of aid across institutions. Traineeships, stipends, and salaries earned from the institution or clinical affiliate along with "other" aids were the least available sources of financial aid for students across institutions.

SUMMARY

Students enrolled in University allied health programs paid higher program costs per month than those enrolled in either 4-year or 2-year institutions. In general, non-resident students paid less at public institutions than would they at private institutions.

Longer term programs were most costly even when controls were placed on the length of programs through the use of a monthly cost estimate. Students enrolled in Masters degree programs at private universities experienced higher charges per month than did students enrolled in other award programs. The least expensive monthly cost to students was for state residents at public universities in Certificate IV programs.

Among graduate programs, monthly costs varied little irrespective of the type of program. However, among undergraduate programs, students enrolled in teacher training programs paid more per month than students in other types of programs.

Monthly program costs generally increased as the number of affiliations increased, primarily among university undergraduate programs.

It was also noted that for undergraduate programs, costs appeared to be unrelated to the type of credit hour system employed. However, programs in graduate schools on a trimester basis tended to have higher costs than others.

In most cases, programs with only their clinical portion accredited had lower costs at both graduate and undergraduate programs. The reverse was true, however, for undergraduate programs at private institutions.

Undergraduate programs in the Mideast had the highest monthly costs, particularly for non-residents enrolled in public institutions. Among regions with larger numbers of programs, the least expensive programs per month were found in the Southwest region.

Each type of institution had on the average, five types of financial aid available to students per program. Work/study programs and the G.I. Bill were the most frequent types of financial aid available to eligible students.

PART II -
HEALTH OCCUPATION DATA SUMMARIES

Part II of this report presents data reference summaries on program costs for individual allied health occupations. These data are organized into three sections: cost data pertaining to programs offered at universities is contained in Section A, for programs at four-year collegiate institutions in Section B and, for two-year collegiate institutions in Section C.

Each table summarizes program costs as they relate to a single occupation. The occupational title, as set forth in the ASAHP Glossary of Health Occupations (Appendix A), accompanies each table. Each row of information recorded in the tables describes a specific program award level (Appendix B, item 12) as well as the type of control of the institution offering the program. The award level and the type of institutional control are shown only where data exist.

Reference summaries are provided only for occupations represented by five or more collegiate programs nationally. The "N" enclosed in parentheses at each table heading, indicates the number of programs with complete data brought into the calculation of summary statistics for that occupation.

Summary data shown in these tables include the type of control (abbreviated: "CNT"), the mean duration of programs (abbreviated: "DUR"), and the mean and standard deviation for the total cost to students per month, total

cost to students for the duration of the entire program and tuition charges. As stated earlier, total costs include charges for tuition, lab fees, uniforms, books, and "other" items. It may be noted that in a few instances tuition charges are shown to be higher than total costs. This has occurred because variables used in determining student costs were reported as separate items on the questionnaire and the number of responses per variable may have differed.

SECTION A:
UNIVERSITIES

SECTION A
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT UNIVERSITIES

PROGRAM AWARD LEVEL	CNT	DUR	TOTAL COST PER MONTH						TUITION				TOTAL COST				
			RESIDENT		N-RESIDENT				RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT		
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.			
HEALTH CARE ADMINISTRATOR																	(N= 7)
MASTERS	PUB	17	170	267	340	540	1473	790	3178	1582	2909	1850	5851	9826			
	PRI	18	294	89	247	101	4948	1730	4162	1634	5148	16	4370	1533			
MASTERS (+CERT)	PUB	21	13	9	179	25	1680	0	4130	0	1540	198	745	516			
	PRI	18	433	0	433	0	7400	0	7400	0	7800	0	7800	0			
DOCTORATE	PUB	25	81	35	205	55	2424	1277	5763	2366	2579	1744	6388	3397			
	PRI	30	218	52	218	52	6362	1535	6362	1535	6462	1365	5462	1365			
CONT EDUC CERT	PRI	12	113	0	113	0	1350	0	1350	0	1350	0	1350	0			
HEALTH CARE ASSISTANT ADMINISTRATOR																	(N= 7)
DIPLOMA	PUB	36	238	0	321	0	1560	0	4560	0	8560	0	11560	0			
ASSOCIATE	PUB	24	85	0	106	0	1900	0	2400	0	2050	0	2550	0			
BACHELORS	PUB	29	146	179	492	828	1275	872	3216	1737	3439	3585	11026	17017			
LONG-TERM CARE ADMINISTRATOR																	(N= 7)
CERTIFICATE I	PUB	2	13	0	0	0	25	0	0	0	25	0	0	0			
CERTIFICATE II	PUB	6	58	0	0	0	300	0	0	0	350	0	0	0			
CERTIFICATE III	PRI	12	437	0	0	0	5046	0	0	0	5246	0	0	0			
BACHELORS	PUB	20	88	0	150	0	1189	0	2424	0	1761	0	2996	0			
MASTERS	PUB	18	29	0	113	0	498	0	1996	0	528	0	2026	0			
CONT EDUC CERT	PUB	9	46	0	46	0	400	0	400	0	415	0	415	0			
BIOMEDICAL ENGINEER																	(N= 44)
BACHELORS	PUB	31	113	124	205	160	1913	1483	4776	2600	2963	2351	5567	3224			
	PRI	35	320	38	313	25	5970	1379	10464	741	11150	1983	11280	884			
MASTERS	PUB	15	58	27	128	49	592	285	1614	639	860	395	1776	620			
	PRI	13	321	107	322	87	4387	1222	4480	1532	4631	1287	4772	1612			
MASTERS (+CERT)	PRI	17	292	29	292	29	4500	1273	4500	1273	4725	1379	4725	1379			
DOCTORATE	PUB	39	71	34	156	57	1534	852	4139	1365	2329	1321	4934	1948			
	PRI	34	225	62	224	76	6934	3375	7580	4032	7322	3546	8052	4233			
BLOOD BANK TECHNOLOGIST																	(N= 7)
CERTIFICATE I	PUB	12	6	1	7	0	0	0	0	0	75	7	80	0			
COLLEGIATE CERT	PUB	12	15	18	32	0	296	0	296	0	232	215	384	0			
MASTERS	PUB	12	28	0	28	0	156	0	156	0	334	0	334	0			
	PRI	18	361	0	0	0	0	0	0	0	6500	0	0	0			
CYTOTECHNOLOGIST																	(N= 22)
CERTIFICATE II	PUB	12	17	19	26	22	150	0	150	0	122	98	155	134			
CERTIFICATE III	PUB	12	19	25	41	76	387	311	848	1135	228	299	496	907			
	PRI	12	42	68	66	84	980	1160	980	1160	507	813	788	1013			
ASSOCIATE	PRI	12	73	0	73	0	812	0	812	0	872	0	872	0			
ASSOCIATE (+CERT)	PRI	12	8	1	8	1	0	0	0	0	95	7	95	7			

SECTION A
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT UNIVERSITIES

PROGRAM AWARD LEVEL	CNT	DUR	TOTAL COST PER MONTH						TUITION				TOTAL COST			
			RESIDENT		N-RESIDENT				RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT	
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
CONTINUED FROM PREVIOUS PAGE																
BACHELORS (+CERT)	PRI	12	134	0	209	0	0	0	0	0	1610	0	2510	0		
MEDICAL TECHNOLOGIST (N=123)																
CERTIFICATE III	PRI	12	67	0	67	0	600	0	600	0	800	0	800	0		
CERTIFICATE IV	PRI	12	30	0	30	0	160	0	160	0	360	0	360	0		
BACHELORS	PUB	34	62	29	127	58	1464	920	3690	2080	2163	1313	4383	2335		
	PRI	33	209	143	216	149	5730	2915	5866	2839	6399	3194	6541	3053		
BACHELORS (+CERT)	PUB	21	101	68	186	74	1586	1782	3284	2264	2153	1865	3927	2649		
	PRI	20	140	145	216	223	4807	5885	5692	5524	4344	5896	6108	6351		
COLLEGIATE CERT	PUB	13	46	26	157	163	288	39	1640	1669	575	269	1928	1899		
	PRI	12	13	0	13	0	0	0	0	0	160	0	160	0		
MASTERS	PUB	18	70	38	141	72	1161	692	2304	1311	1257	691	2447	1292		
	PRI	22	151	78	116	70	2923	1332	2635	1747	3180	1368	2795	1690		
MASTERS (+CERT)	PRI	27	70	0	70	0	1600	0	1600	0	1900	0	1900	0		
DOCTORATE	PUB	36	49	0	143	0	1768	0	5160	0	1768	0	5160	0		
	PRI	27	281	0	0	0	7275	0	0	0	7575	0	0	0		
DENTAL ASSISTANT (N= 12)																
CERTIFICATE II	PUB	9	93	43	136	92	636	423	1050	954	875	491	1290	1018		
	PRI	10	137	48	137	48	1000	354	1000	354	1285	360	1285	360		
CERTIFICATE III	PUB	10	44	0	44	0	250	0	250	0	435	0	435	0		
	PRI	12	118	6	118	6	1200	0	1200	0	1413	67	1413	67		
DENTAL HYGIENIST (N= 55)																
CERTIFICATE III	PUB	19	93	30	183	85	1112	595	2820	1549	1755	590	3467	1523		
	PRI	19	191	82	191	82	2600	1131	2600	1131	3571	1286	3571	1286		
CERTIFICATE IV	PRI	19	211	45	211	45	2950	1344	2950	1344	4033	1156	4033	1156		
DIPLOMA	PRI	18	83	0	83	0	1060	0	1060	0	1500	0	1500	0		
ASSOCIATE	PUB	18	83	38	150	71	908	529	2073	1108	1549	697	2813	1383		
ASSOCIATE (+CERT)	PUB	18	107	45	231	121	1370	750	3600	2121	1930	806	4160	2178		
	PRI	19	387	187	387	187	5335	1181	5335	1181	6038	1199	6038	1199		
BACHELORS	PUB	20	99	28	224	72	1198	335	3516	1392	1890	719	4365	1746		
	PRI	25	268	49	268	49	6009	1486	6009	1486	6575	1615	6575	1615		
BACHELORS (+CERT)	PUB	30	43	31	120	0	1180	1018	3900	0	1420	1287	4330	0		
	PRI	36	260	16	249	0	7700	1273	6800	0	9300	566	8960	0		
MASTERS	PUB	11	90	23	187	1	808	153	1877	104	988	252	2057	5		
DIETITIAN (N= 47)																
BACHELORS	PUB	35	80	44	166	79	2004	910	5029	2178	2596	1127	5528	2214		
	PRI	34	296	64	296	64	10160	1923	10160	1923	10048	2083	10048	2083		
BACHELORS (+CERT)	PUB	25	38	38	72	69	541	517	1201	1026	753	570	1451	1026		
COLLEGIATE CERT	PUB	9	14	7	39	0	286	235	297	0	286	263	347	0		
	PRI	10	137	31	159	0	1089	267	1278	0	1229	281	1428	0		

SECTION A
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
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PROGRAM AWARD LEVEL	CNT	DUR	TOTAL COST PER MONTH				TUITION				TOTAL COST			
			RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT	
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
CONTINUED FROM PREVIOUS PAGE														
MASTERS	PUB	13	83	32	159	59	755	287	1718	521	1061	305	2025	574
	PRI	12	221	0	0	0	2550	0	0	0	2650	0	0	0
MASTERS (+CERT)	PRI	16	203	0	203	0	2935	0	2935	0	3240	0	3240	0
DOCTORATE	PUB	36	97	0	164	0	2820	0	5528	0	3500	0	6638	0
DIETITIAN/NUTRITIONIST (N= 47)														
BACHELORS	PUB	35	63	31	148	66	1678	869	4595	2052	2156	1012	5072	2231
	PRI	35	201	168	321	0	6450	5728	10500	0	7170	6180	11540	0
BACHELORS (+CERT)	PUB	33	102	29	222	114	2410	3323	8260	8683	3685	3118	8535	8478
MASTERS	PUB	15	75	38	161	59	849	485	2220	927	1123	504	2495	568
	PRI	14	240	221	356	0	2800	1838	4100	0	2927	2017	4353	0
MASTERS (+CERT)	PUB	16	109	0	72	0	1400	0	800	0	1750	0	1150	0
DOCTORATE	PUB	25	102	62	244	68	1434	687	5038	540	2536	1356	6140	1209
NUTRITIONIST (N= 43)														
BACHELORS	PUB	31	57	31	147	90	1373	834	4077	2715	1733	978	4437	2834
MASTERS	PUB	15	91	51	165	94	1079	817	2291	1811	1381	976	2649	1995
	PRI	20	219	115	268	73	3122	639	3313	629	3409	725	3695	546
MASTERS (+CERT)	PUB	24	32	0	89	0	776	0	2128	0	776	0	2128	0
	PRI	20	302	0	302	0	6040	0	6040	0	6040	0	6040	0
DOCTORATE	PUB	34	73	30	138	91	1920	935	4139	3303	2457	1117	4861	3526
	PRI	35	299	242	470	0	7670	1356	8445	276	8272	1937	9349	746
ENVIRONMENTAL ENGINEER (N= 34)														
BACHELORS	PUB	39	32	27	62	47	553	768	2068	1457	1177	932	2292	1600
	PRI	27	215	184	215	184	4440	2206	4440	2206	4628	2224	4628	2224
MASTERS	PUB	13	75	25	136	55	703	289	1517	763	955	355	1784	900
	PRI	17	277	65	277	65	3862	2492	3862	2492	4565	2447	4565	2447
DOCTORATE	PUB	28	58	37	105	59	1353	984	2623	1233	1678	1209	2948	1379
	PRI	26	201	41	201	41	4700	1838	4700	1838	5250	2333	5250	2333
ENVIRONMENTALIST (N= 53)														
BACHELORS	PUB	34	72	20	157	49	1945	684	4753	1687	2481	824	5295	1801
BACHELORS (+CERT)	PRI	15	335	0	335	0	4882	0	4882	0	5032	0	5032	0
MASTERS	PUB	13	100	37	206	69	1026	430	2312	771	1201	419	2477	765
	PRI	14	286	58	276	55	3528	153	3479	172	3738	149	3747	131
MASTERS (+CERT)	PUB	9	33	0	38	0	295	0	340	0	295	0	340	0
DOCTORATE	PUB	35	81	41	166	68	2367	1684	5266	2793	2794	1595	5693	2738
	PRI	23	328	236	313	195	6570	3550	6258	3195	7357	3610	6713	3216

SECTION A
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT UNIVERSITIES

PROGRAM AWARD			TOTAL COST PER MONTH						TUITION				TOTAL COST			
LEVEL	CNT	DUR	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
INDUSTRIAL HYGIENIST (N= 8)																
BACHELORS		PUB	36	62	0	119	0	1760	0	3800	0	2240	0	4280	0	
MASTERS		PUB	12	145	46	289	37	1458	357	3135	269	1675	491	3352	294	
		PRI	18	183	0	183	0	3200	0	3200	0	3300	0	3300	0	
DOCTORATE		PUB	36	162	7	252	1	4583	683	9663	938	5833	236	10513	20	
		PRI	21	171	0	171	0	3400	0	3400	0	3600	0	3600	0	
COMMUNITY/PUBLIC HEALTH EDUCATOR (N= 21)																
BACHELORS		PUB	31	70	24	175	64	1857	831	5462	2282	2357	934	5922	2425	
		PRI	12	61	0	86	0	600	0	900	0	730	0	1030	0	
BACHELORS (+CERT)		PUB	36	58	0	165	0	2000	0	6000	0	2100	0	6100	0	
MASTERS		PUB	16	107	54	207	114	1567	1116	3427	2291	1806	1143	3666	2360	
		PRI	18	344	0	0	0	6000	0	0	0	6200	0	0	0	
DOCTORATE		PUB	24	76	20	145	93	1445	544	3197	2108	1819	483	3571	2223	
SCHOOL HEALTH EDUCATOR (N= 44)																
BACHELORS		PUB	32	85	24	198	53	2178	679	5840	1751	2699	696	6361	1798	
		PRI	36	18	0	26	0	600	0	900	0	650	0	950	0	
BACHELORS (+CERT)		PUB	36	82	36	200	38	2165	1474	6405	1608	2940	1287	7214	1376	
MASTERS		PUB	14	90	37	150	64	926	464	1837	1109	1347	716	2124	1278	
		PRI	13	34	30	52	86	348	355	498	569	378	399	1452	1658	
MASTERS (+CERT)		PUB	14	59	7	105	4	705	417	1345	643	845	431	1485	658	
DOCTORATE		PUB	29	95	56	137	61	2316	1389	3656	2326	2747	1768	4110	2529	
		PRI	24	4	0	4	0	56	0	96	0	96	0	96	0	
HEALTH EDUCATOR (N= 27)																
BACHELORS		PUB	29	65	32	164	73	1780	1031	4415	2011	2261	1221	5173	2349	
		PRI	18	168	0	0	0	2600	0	0	0	3020	0	0	0	
BACHELORS (+CERT)		PUB	34	118	107	115	57	1440	1358	4800	0	3632	2593	4172	2410	
		PRI	48	106	0	0	0	4800	0	0	0	5097	0	0	0	
MASTERS		PUB	12	84	30	175	61	841	446	2047	1133	1025	413	2147	1027	
		PRI	16	6	0	6	0	96	0	96	0	96	0	96	0	
ADV. STANDING CERT		PUB	12	225	0	225	0	2700	0	2700	0	2700	0	2700	0	
DOCTORATE		PUB	23	113	34	199	46	2261	802	4306	1843	2636	976	4681	1984	
ALLIED HEALTH EDUCATOR (N= 25)																
DIPLOMA		PUB	10	115	0	169	0	900	0	1400	0	1185	0	1685	0	
BACHELORS		PUB	16	96	47	249	110	1557	980	4320	2071	1727	843	4490	1982	
		PRI	22	265	56	225	0	3650	354	3900	0	3850	283	4050	0	
BACHELORS (+CERT)		PRI	27	246	0	246	0	5850	0	5850	0	6640	0	6640	0	
MASTERS		PUB	13	80	26	180	47	710	363	1860	545	923	297	2070	524	
MASTERS (+CERT)		PUB	12	132	0	157	0	1225	0	1525	0	1585	0	1885	0	
DOCTORATE		PUB	26	74	35	168	66	1444	842	4327	2193	1836	904	4707	2243	

SECTION A
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
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PROGRAM AWARD LEVEL	II CNT	II OUR	TOTAL COST PER MONTH						TUITION						TOTAL COST					
			RESIDENT			N-RESIDENT			RESIDENT			N-RESIDENT			RESIDENT			N-RESIDENT		
			II MEAN	II S.D.	II MEAN	II S.D.	II MEAN	II S.D.	II MEAN	II S.D.	II MEAN	II S.D.	II MEAN	II S.D.	II MEAN	II S.D.	II MEAN	II S.D.		
TEACHER OF THE DEAF																			(N= 19)	
BACHELORS	II	PUB	35	63	35	122	81	1815	1035	3568	2752	2256	1259	4406	2915					
	II	PRI	32	344	29	344	29	10200	3564	10200	3564	10930	3097	10930	3097					
BACHELORS (+CERT)	II	PUB	18	56	0	170	0	856	0	2916	0	1006	0	3066	0					
	II	PRI	27	321	265	321	265	6600	3111	6600	3111	6975	3076	6975	3076					
MASTERS	II	PUB	16	75	32	167	64	862	462	2125	1066	1030	410	2244	1081					
	II	PRI	14	307	74	307	74	3580	1760	3580	1760	4115	1876	4115	1876					
DOCTORATE	II	PRI	27	363	0	363	0	9500	0	9500	0	9800	0	9800	0					
TEACHER OF THE EMOTIONALLY DISTURBED																			(N= 13)	
BACHELORS	II	PUB	27	76	79	172	123	954	888	2678	1495	1536	1293	3447	1766					
MASTERS	II	PUB	11	79	30	191	50	627	131	1853	511	879	308	2160	612					
	II	PRI	12	264	0	264	0	2950	0	2950	0	3165	0	3165	0					
MASTERS (+CERT)	II	PUB	12	105	0	260	0	1108	0	3024	0	1258	0	3124	0					
DOCTORATE	II	PUB	30	37	0	83	0	1100	0	2500	0	1100	0	2500	0					
TEACHER OF THE LEARNING DISABLED																			(N= 9)	
BACHELORS	II	PUB	23	87	0	322	0	524	175	2081	962	787	0	2901	0					
MASTERS	II	PUB	12	78	23	213	63	801	300	2420	771	936	274	2555	755					
	II	PRI	15	214	80	157	0	3114	59	3156	0	3277	42	3306	0					
ADV STANDING CERT	II	PUB	10	200	0	0	0	2000	0	0	0	2000	0	0	0					
	II	PRI	24	253	0	0	0	5760	0	0	0	6060	0	0	0					
DOCTORATE	II	PRI	36	179	0	0	0	6000	0	0	0	6450	0	0	0					
TEACHER OF THE MENTALLY RETARDED																			(N= 14)	
BACHELORS	II	PUB	34	56	48	136	107	1261	892	3779	2013	1856	1285	4373	2451					
	II	PRI	27	168	0	168	0	5650	0	5650	0	6050	0	6050	0					
BACHELORS (+CERT)	II	PUB	18	61	0	236	0	844	0	3994	0	1094	0	4244	0					
MASTERS	II	PUB	11	62	36	147	93	352	221	1139	575	685	430	1592	1014					
	II	PRI	12	264	0	264	0	2950	0	2950	0	3165	0	3165	0					
TEACHER OF SPECIAL EDUCATION-NCT SPECIF																			(N= 19)	
BACHELORS	II	PUB	32	27	25	94	118	754	859	2643	3772	576	917	3400	4238					
	II	PRI	27	433	0	0	0	11400	0	0	0	11690	0	0	0					
MASTERS	II	PUB	14	60	24	150	54	559	216	1672	776	701	228	1813	871					
	II	PRI	19	300	0	235	0	6880	0	3240	0	7205	0	3340	0					
MASTERS (+CERT)	II	PUB	8	374	0	764	0	870	0	3986	0	2995	0	6111	0					
DOCTORATE	II	PUB	28	73	31	173	55	1563	877	4210	1122	1961	860	4600	1097					
TEACHER OF THE VISUALLY HANDICAPPED																			(N= 6)	
BACHELORS	II	PUB	20	93	70	204	116	1379	909	3560	1781	1762	1184	3943	2008					
MASTERS	II	PUB	14	86	25	188	74	931	154	2288	642	1147	107	2488	566					

SECTION A
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
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PROGRAM			TOTAL COST PER MONTH						TUITION				TOTAL COST			
AWARD	CNT	DUR	RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT			
LEVEL			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.		
MEDICAL ILLUSTRATOR															(N= 5)	
BACHELORS	PUB	22	117	151	225	281	1720	2093	3985	4830	2470	3154	4735	990		
COLLEGIATE CERT	PUB	24	76	0	157	0	1735	0	3667	0	1835	0	3767	0		
MASTERS	PUB	20	130	0	320	0	2200	0	6000	0	2595	0	6395	0		
	PRI	20	318	0	318	0	6000	0	6000	0	6360	0	6360	0		
MEDICAL LIBRARIAN															(N= 5)	
MASTERS	PUB	12	94	36	177	16	1005	377	2038	257	1146	406	2178	219		
	PRI	11	305	0	305	0	3240	0	3240	0	3351	0	3351	0		
MASTERS (+CERT)	PRI	12	288	0	0	0	3400	0	0	0	3450	0	0	0		
RESPIRATORY THERAPIST															(N= 12)	
CERTIFICATE III	PRI	12	28	0	28	0	160	0	160	0	335	0	335	0		
CERTIFICATE IV	PRI	23	13	0	13	0	0	0	0	0	300	0	300	0		
ASSOCIATE	PUB	18	87	60	167	111	1405	289	2576	1025	1323	701	2585	1535		
	PRI	33	150	0	150	0	4342	0	4342	0	4942	0	4942	0		
ASSOCIATE (+CERT)	PUB	15	63	46	248	0	607	108	2049	0	757	151	2229	0		
	PRI	24	21	0	0	0	280	0	0	0	500	0	0	0		
BACHELORS	PUB	36	58	0	169	0	0	0	4000	0	2100	0	6100	0		
BACHELORS (+CERT)	PUB	18	56	0	248	0	1366	0	4098	0	1726	0	4458	0		
MEDICAL RECORD ADMINISTRATOR															(N= 14)	
CERTIFICATE II	PUB	11	55	0	110	0	486	0	1086	0	606	0	1206	0		
BACHELORS	PUB	16	64	21	162	50	753	415	2240	853	1040	337	2521	921		
	PRI	34	217	76	271	0	6700	2121	8200	0	7285	1959	8670	0		
COLLEGIATE CERT	PUB	12	47	24	162	0	418	279	1800	0	553	315	1960	0		
	PRI	12	314	0	314	0	3600	0	3600	0	3770	0	3770	0		
NUCLEAR MEDICINE TECHNOLOGIST/TECHN															(N= 16)	
CERTIFICATE III	PUB	12	11	4	11	1	150	0	0	0	135	41	138	18		
	PRI	12	9	9	3	0	100	0	0	0	105	106	30	0		
ASSOCIATE	PUB	16	63	3	157	4	978	577	2703	1404	1005	452	2843	1404		
	PRI	18	131	0	0	0	2000	0	0	0	2350	0	0	0		
BACHELORS (+CERT)	PUB	27	11	3	27	20	400	57	495	78	260	141	520	42		
COLLEGIATE CERT	PUB	12	5	0	0	0	0	0	0	0	110	0	0	0		
MASTERS	PRI	21	295	0	255	0	5950	0	5950	0	6200	0	6200	0		
DOCTORATE	PUB	40	58	0	131	0	2187	0	5000	0	2337	0	5250	0		
NURSE ANESTHETIST															(N= 11)	
CERTIFICATE III	PUB	18	52	50	100	99	875	884	1750	1768	933	894	1808	1778		
	PRI	18	4	0	4	0	0	0	0	0	75	0	75	0		
CERTIFICATE IV	PUB	24	5	2	3	0	0	0	0	0	108	38	75	0		
	PRI	24	25	0	25	0	245	134	245	134	495	134	495	134		

SECTION A
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
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PROGRAM AWARD LEVEL	CNT	JUR	TOTAL COST PER MONTH						TUITION						TOTAL COST					
			RESIDENT			N-RESIDENT			RESIDENT			N-RESIDENT			RESIDENT			N-RESIDENT		
			MEAN	S.D.		MEAN	S.D.		MEAN	S.D.		MEAN	S.D.		MEAN	S.D.		MEAN	S.D.	
CONTINUED FROM PREVIOUS PAGE																				
BACHELORS	PUB	24	45	59		253	0	2000	0	6000	0	1073	1427	6082	0					
COLLEGIATE CERT	PUB	21	44	0		70	0	480	0	1000	0	924	0	1464	0					
NURSE PRACTITIONER										(N= 10)										
CERTIFICATE I	PUB	4	28	30		28	30	180	0	180	0	110	120	110	120					
	PRI	4	50	0		0	0	0	0	0	0	200	0	0	0					
CERTIFICATE II	PRI	8	228	0		228	0	1760	0	1760	0	460	1216	1820	0					
CERTIFICATE III	PUB	16	5	0		5	0	0	0	0	0	65	0	65	0					
	PRI	12	50	0		57	13	600	0	600	0	600	0	685	120					
COLLEGIATE CERT	PUB	6	55	0		0	0	270	0	0	0	330	0	0	0					
MASTERS	PUB	18	0	0		0	0	1380	0	3522	0	0	0	0	0					
MASTERS (+CERT)	PUB	12	85	0		181	0	1065	0	2175	0	1065	0	2175	0					
CONT EDUC CERT	PRI	8	0	0		13	0	0	0	0	0	0	0	160	0					
PHYSICIAN ASSISTANT-PRIMARY CARE										(N= 16)										
CERTIFICATE IV	PRI	24	170	13		175	0	3775	318	4000	0	4085	304	4300	0					
ASSOCIATE	PUB	24	98	0		190	0	2000	0	4200	0	2350	0	4550	0					
ASSOCIATE (+CERT)	PRI	27	305	0		309	0	7650	0	7650	0	8330	0	8330	0					
BACHELORS	PUB	28	38	21		86	56	678	389	2019	1262	1036	489	2377	1377					
	PRI	23	315	51		315	51	6475	389	6475	389	7040	481	7040	481					
BACHELORS (+CERT)	PUB	33	71	0		224	0	1927	0	6982	0	2352	0	7407	0					
	PRI	25	217	79		244	91	4750	2607	5825	2581	5527	2434	6315	2850					
COLLEGIATE CERT	PUB	12	8	0		8	0	0	0	0	0	90	0	90	0					
MASTERS (+CERT)	PUB	14	65	0		215	0	843	0	3009	0	903	0	3069	0					
PHYSICIAN ASSISTANT-SPECIALIST										(N= 6)										
ASSOCIATE	PUB	18	43	0		93	0	600	0	1500	0	775	0	1675	0					
BACHELORS	PUB	24	59	0		126	0	1080	0	2700	0	1410	0	3030	0					
	PRI	36	314	0		314	0	11296	0	11296	0	11296	0	11296	0					
BACHELORS (+CERT)	PRI	24	256	0		256	0	5800	0	5800	0	6150	0	6150	0					
COLLEGIATE CERT	PUB	24	127	0		185	0	2800	0	4200	0	3040	0	4440	0					
MASTERS	PRI	23	228	0		0	0	5000	0	0	0	5250	0	0	0					
RADIATION THERAPY TECHNOLOGIST/TECHN										(N= 8)										
CERTIFICATE III	PUB	16	6	3		6	3	0	0	0	0	150	87	150	87					
	PRI	12	0	0		5	0	0	0	0	0	0	0	60	0					
CERTIFICATE IV	PUB	12	8	0		8	0	100	0	100	0	100	0	100	0					
DIPLOMA	PUB	12	21	0		0	0	150	0	0	0	225	35	0	0					
BACHELORS	PRI	40	31	0		31	0	1043	0	1043	0	1233	0	1233	0					

SECTION A
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
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PROGRAM AWARD LEVEL	CNT	DUR	TOTAL COST PER MONTH						TUITION				TOTAL COST			
			RESIDENT		N-RESIDENT				RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT	
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
RADIOLOGIC TECHNOLOGIST/TECHNICIAN (N= 44)																
CERTIFICATE III	PUB	12	15	0	0	0	85	0	0	0	185	0	0	0	0	0
	PRI	24	22	0	0	0	320	0	0	0	520	0	0	0	0	0
CERTIFICATE IV	PUB	24	12	10	14	12	315	177	283	202	298	239	339	27		
	PRI	24	9	2	2	2	100	0	100	0	215	51	215	51		
ASSOCIATE	PUB	25	75	32	166	77	1520	829	3677	1986	1834	735	4001	1848		
	PRI	24	98	0	0	0	2000	0	0	0	2350	0	0	0	0	0
BACHELORS	PUB	31	81	59	177	136	1721	1148	4119	2941	2134	1324	4561	2981		
	PRI	34	222	160	222	160	5233	1115	5400	1400	5980	851	6147	1137		
BACHELORS (+CERT)	PUB	24	86	0	222	0	1736	0	4960	0	2109	0	5333	0	0	0
	PRI	33	225	69	177	0	6000	0	6000	0	6863	795	7425	0		
OCCUPATIONAL THERAPIST (N= 35)																
BACHELORS	PUB	26	57	25	139	64	1109	557	3087	1565	1437	686	3539	1722		
	PRI	34	238	31	231	31	8010	3111	7323	3123	8524	3352	7666	3172		
BACHELORS (+CERT)	PUB	25	125	41	302	141	2368	253	6574	2317	2911	71	7117	2154		
	PRI	38	230	0	230	0	12660	0	12660	0	12660	0	12660	0	0	0
COLLEGIATE CERT	PUB	21	80	0	196	0	1364	0	3815	0	1675	0	4126	0		
	PRI	14	224	0	226	0	3165	0	3165	0	3165	0	3165	0	0	0
MASTERS	PUB	17	65	24	126	51	951	342	1865	305	1179	460	2118	222		
	PRI	18	285	23	285	23	4788	1388	4788	1388	5061	1522	5061	1522		
MASTERS (+CERT)	PRI	19	301	0	0	0	5380	0	0	0	5710	0	0	0	0	0
PHYSICAL THERAPIST (N= 62)																
BACHELORS	PUB	22	93	51	155	75	1389	857	3310	1355	1982	1022	4164	1862		
	PRI	27	273	52	273	52	6567	2197	6567	2197	7188	2397	7188	2397		
BACHELORS (+CERT)	PUB	26	95	50	204	134	1470	781	3649	2423	1964	918	4145	2585		
	PRI	32	219	131	243	139	6260	5141	7153	5471	7561	5789	9346	6370		
COLLEGIATE CERT	PUB	18	48	55	92	117	855	0	1900	0	633	576	1160	1322		
	PRI	14	271	39	271	39	3377	616	3377	616	3726	587	3726	587		
MASTERS	PUB	12	267	264	387	319	3939	4274	5691	5389	4114	4451	5864	5566		
	PRI	17	276	75	267	73	4386	1469	4086	1618	4707	1540	4440	1674		
MASTERS (+CERT)	PRI	23	192	68	192	68	3825	955	3825	955	4325	1025	4325	1025		
	DOCTORATE	36	125	0	125	0	3510	0	3510	0	4510	0	4510	0	0	0
MUSIC THERAPIST (N= 9)																
BACHELORS	PUB	40	54	0	75	0	0	0	0	0	2152	0	2980	0		
	PRI	40	179	37	205	0	7960	3215	9440	2744	8713	2881	9620	2574		
BACHELORS (+CERT)	PUB	30	92	0	348	0	1056	0	7200	0	2196	0	8340	0		
	PUB	18	60	0	83	0	0	0	0	0	1076	0	1490	0		
MASTERS	PRI	15	250	24	267	0	3450	636	3000	0	3700	707	3200	0		
	PUB	24	67	0	93	0	0	0	0	0	1614	0	2235	0		

SECTION A
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT UNIVERSITIES

PROGRAM AWARD LEVEL	CNT	DUR	TOTAL COST PER MONTH				TUITION				TOTAL COST			
			RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT	
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
RECREATIONAL THERAPIST (N= 20)														
BACHELORS	PUB	36	57	34	152	76	1808	1181	5144	2543	2133	1312	5480	2630
	PRI	29	145	15	181	66	4300	1674	4393	1531	4517	1570	4943	909
MASTERS	PUB	14	85	43	174	75	786	393	1884	883	1052	458	2157	811
	PRI	12	187	100	210	113	2135	1267	2459	1440	2242	1198	2521	1352
DOCTORATE	PUB	29	61	12	110	40	1422	148	2707	579	1728	138	3013	585
	PRI	27	230	0	230	0	6000	0	6000	0	6200	0	6200	0
CLINICAL PASTORAL COUNSELOR (N= 11)														
COLLEGIATE CERT	PUB	9	30	28	50	0	152	2	150	0	152	2	150	0
MASTERS	PRI	12	165	150	63	0	1820	1810	540	0	2025	1803	750	0
MASTERS (+CERT)	PRI	12	133	0	133	0	1392	0	1392	0	1592	0	1592	0
ADV. STANDING CERT	PUB	11	13	11	13	11	150	0	150	0	108	60	108	60
	PRI	3	67	0	67	0	200	0	200	0	200	0	200	0
DOCTORATE	PRI	18	56	0	56	0	720	0	720	0	1000	0	1000	0
CONT. EDUC. CERT	PUB	3	58	12	58	12	150	0	150	0	175	35	175	35
COMMUNITY HEALTH WORKER (N= 5)														
ASSOCIATE	PUB	30	67	0	0	0	0	0	0	0	2000	0	0	0
BACHELORS	PUB	36	47	0	194	0	1680	0	7000	0	1680	0	7000	0
BACHELORS (+CERT)	PUB	16	13	0	46	0	60	0	600	0	202	0	742	0
MASTERS	PUB	8	165	195	183	176	635	612	800	379	798	609	963	375
REHABILITATION COUNSELOR (N= 28)														
CERTIFICATE II	PUB	9	27	0	37	0	222	0	314	0	241	0	333	0
BACHELORS	PUB	27	350	420	428	355	1667	1701	3933	3880	11719	15957	13686	14676
MASTERS	PUB	16	72	33	151	71	550	404	2163	929	1102	472	2316	949
	PRI	17	282	102	282	102	4655	2046	4655	2046	4912	2104	4912	2104
DOCTORATE	PUB	24	73	47	98	12	1433	944	2033	95	1763	1128	2363	279
	PRI	30	158	92	158	92	5134	1225	5134	1225	5537	1080	5537	1080
AUDIOLOGIST (N= 14)														
MASTERS	PUB	17	87	39	156	74	1149	497	2444	1108	1452	652	2747	1247
	PRI	13	254	91	254	91	2915	730	2915	730	3151	663	3151	663
DOCTORATE	PUB	36	119	0	247	0	2287	274	6325	1068	3362	1299	7400	2094
	PRI	36	325	0	325	0	11400	0	11400	0	11700	0	11700	0
SPEECH PATHOLOGIST (N= 15)														
MASTERS	PUB	17	95	38	200	95	1348	786	3216	2253	1659	935	3564	2463
	PRI	12	242	64	242	64	2537	625	2537	625	2740	615	2740	615
DOCTORATE	PUB	27	163	62	247	0	2480	0	7080	0	3996	402	8880	0

SECTION A
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT UNIVERSITIES

PROGRAM AWARD LEVEL	CNT	DUR	TOTAL COST PER MONTH				TUITION				TOTAL COST			
			RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT	
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
SPEECH PATHOLOGIST (PRE-MASTER'S) (N= 7)														
BACHELORS	PUB	36	70	50	163	134	1539	1054	3484	1806	2512	1799	5862	4823
	PRI	23	424	142	324	0	7347	1022	6940	1047	8393	1256	7870	1230
BACHELORS (+CERT)	PRI	27	301	0	301	0	6480	0	6480	0	8115	0	8115	0
SPEECH PATHOLOGIST/AUCIOLOGIST (N= 63)														
COLLEGIATE CERT	PUB	24	14	0	0	0	343	0	0	0	343	0	0	0
MASTERS	PUB	17	83	55	199	172	545	659	2393	1367	1166	706	2774	2092
	PRI	15	231	85	231	85	3444	1445	3444	1445	3636	1508	3636	1508
MASTERS (+CERT)	PUB	12	62	0	236	0	352	0	2440	0	744	0	2832	0
DOCTORATE	PUB	30	72	47	168	123	1825	1401	4678	3560	2130	1511	5290	4441
	PRI	37	250	60	250	60	5119	4109	5119	4109	9469	4111	9469	4111
SPEECH PATHOLOGIST/AUCIOLOGIST (PRE-MAST) (N= 30)														
BACHELORS	PUB	32	83	49	188	125	1943	1246	4791	2585	2481	1325	5285	2702
	PRI	29	339	113	339	113	5110	1215	9110	1215	10410	1601	10410	1601
BACHELORS (+CERT)	PUB	18	9	0	38	0	162	0	690	0	162	0	690	0
BIOSTATISTICIAN (N= 12)														
MASTERS	PUB	16	114	44	240	78	1336	414	3280	1019	1696	282	3640	939
	PRI	12	268	0	268	0	3150	0	3150	0	3210	0	3210	0
DOCTORATE	PUB	35	109	49	218	90	2779	1480	6653	3100	4073	2622	7946	3947
EPIDEMIOLOGIST (N= 11)														
MASTERS	PUB	16	90	20	212	69	1189	559	3148	2001	1372	569	3330	1997
	PRI	12	357	40	0	0	4283	2212	0	0	4357	2181	0	0
DOCTORATE	PUB	36	128	23	222	9	4154	1196	7522	676	4614	329	7982	308
	PRI	30	198	69	0	0	5438	619	0	0	5638	407	0	0
HEALTH PHYSICIST (N= 18)														
BACHELORS	PUB	18	52	0	143	0	882	0	2520	0	927	0	2565	0
	PRI	39	267	0	267	0	9100	0	0	0	10400	0	10400	0
MASTERS	PUB	17	87	73	244	213	946	598	3220	2036	1270	807	3662	2664
	PRI	17	236	62	236	62	3767	635	3767	635	3933	577	3933	577
DOCTORATE	PUB	36	155	157	386	392	2625	530	10300	6684	5840	5447	14390	13633
	PRI	21	171	0	171	0	3400	0	3400	0	3600	0	3600	0
PUBLIC HEALTH PRACTITIONER-NCT SPEC (N= 11)														
BACHELORS	PUB	36	25	0	46	0	750	0	1500	0	890	0	1640	0
MASTERS	PUB	11	150	64	237	22	1262	238	2525	221	1579	429	2591	236
	PRI	13	314	0	0	0	4905	3387	0	0	2510	0	0	0
MASTERS (+CERT)	PRI	24	150	0	0	0	3400	0	0	0	3600	0	0	0

SECTION A
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT UNIVERSITIES

PROGRAM	II	II	TOTAL COST PER MONTH				TUITION				TOTAL COST											
AWARD	II	INT	DUR	II	RESIDENT	II	N-RESIDENT	II	RESIDENT	II	N-RESIDENT	II	RESIDENT	II	N-RESIDENT							
LEVEL	II	II	II	MEAN	S.D.	II	MEAN	S.D.	II	MEAN	S.D.	II	MEAN	S.D.	II	MEAN	S.D.					
CONTINUED FROM PREVIOUS PAGE																						
DOCTORATE	II	PRI	II	39	II	248	149	II	226	0	II	9170	4975	II	10550	0	II	9595	5419	II	10850	0
TOXICOLOGIST (N= 5)																						
BACHELORS	II	PRI	II	36	II	232	0	II	232	0	II	8000	0	II	8000	0	II	8345	0	II	8345	0
MASTERS	II	PUB	II	18	II	47	4	II	130	26	II	880	396	II	2600	1131	II	1005	290	II	2775	1096
DOCTORATE	II	PUB	II	44	II	85	46	II	178	59	II	3483	2804	II	7413	4120	II	3783	2663	II	7713	3970

SECTION B:
FOUR-YEAR COLLEGES

SECTION B
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT 4-YR COLLEGES

PROGRAM	II	II	TOTAL COST PER MONTH						TUITION				TOTAL COST				
AWARD	II	CNT	II	DUR	II	RESIDENT	II	N-RESIDENT	II	RESIDENT	II	N-RESIDENT	II	SIDENT	II	N-RESIDENT	
LEVEL	II	II	II	II	II	MEAN	S.D.	II	MEAN	S.D.	II	MEAN	S.D.	II	MEAN	S.D.	
HEALTH CARE ADMINISTRATOR (N= 19)																	
BACHELORS	II	PUB	II	36	II	59	0	119	3	1600	0	3800	0	2120	0	4280	0
	II	PRI	II	40	II	326	0	326	0	11400	0	11400	0	13040	0	13040	0
BACHELORS (+CERT)	II	PUB	II	42	II	3	0	0	0	0	0	0	0	117	0	0	0
	II	PRI	II	32	II	100	60	0	0	2470	735	0	0	2690	424	0	0
MASTERS	II	PUB	II	17	II	61	38	123	46	893	980	1826	746	1144	918	2076	790
	II	PRI	II	22	II	80	69	63	98	2510	14	2520	0	1794	1542	1318	1842
DOCTORATE	II	PUB	II	45	II	48	0	122	0	1618	0	4518	0	2182	0	5482	0
CONT EDUC CERT	II	PUB	II	12	II	56	0	56	0	0	0	0	0	675	0	675	0
HEALTH CARE ASSISTANT ADMINISTRATOR (N= 15)																	
ASSOCIATE	II	PRI	II	19	II	101	0	120	27	1710	0	2053	484	1920	0	2208	407
ASSOCIATE (+CERT)	II	PUB	II	21	II	13	10	0	0	0	0	0	0	259	200	0	0
BACHELORS	II	PUB	II	30	II	61	12	144	32	1281	528	3684	1407	1694	546	4096	1564
	II	PRI	II	40	II	110	64	110	64	4150	1925	4150	1925	4300	2025	4300	2025
MASTERS	II	PUB	II	12	II	53	0	158	0	440	0	1700	0	640	0	1900	0
	II	PRI	II	24	II	133	0	0	0	2904	0	0	0	3184	0	0	0
CONT EDUC CERT	II	PRI	II	16	II	99	0	99	0	1440	0	1440	0	1590	0	1590	0
MEDICAL/DENTAL SECRETARY (N= 20)																	
CERTIFICATE III	II	PUB	II	15	II	48	14	154	0	675	445	2718	0	755	417	2778	0
CERTIFICATE IV	II	PUB	II	18	II	36	0	53	0	600	0	1620	0	650	0	1670	0
DIPLOMA	II	PRI	II	18	II	224	0	224	0	3732	0	3732	0	4039	0	4039	0
ASSOCIATE	II	PUB	II	18	II	61	22	112	50	857	350	1783	899	1099	398	2024	899
	II	PRI	II	18	II	171	114	151	99	2575	1399	2533	1468	2822	1641	2774	1722
MEDICAL OFFICE ASSISTANT (N= 13)																	
CERTIFICATE II	II	PRI	II	10	II	168	0	168	0	1500	0	1500	0	1675	0	1675	0
ASSOCIATE	II	PUB	II	18	II	66	21	146	55	967	343	2394	1013	1239	399	2666	1064
	II	PRI	II	18	II	229	109	217	93	2650	1388	2417	1182	2697	1478	2758	1350
BIOMEDICAL ENGINEER (N= 71)																	
CERTIFICATE II	II	PUB	II	9	II	83	0	83	0	300	0	500	0	750	0	750	0
BACHELORS	II	PUB	II	36	II	52	30	124	62	1347	989	3934	1960	1970	1064	4457	2221
MASTERS	II	PUB	II	24	II	31	0	126	0	324	0	2600	0	736	0	3012	0
	II	PRI	II	12	II	300	0	266	48	3300	0	3040	368	3600	0	3190	580
DOCTORATE	II	PRI	II	32	II	0	0	106	0	0	0	4400	1131	0	0	3800	0
CHEMISTRY TECHNOLOGIST (N= 51)																	
BACHELORS	II	PUB	II	27	II	56	0	156	79	2000	0	4150	3323	3440	0	4720	4130
	II	PRI	II	18	II	358	0	0	0	5600	0	0	0	6440	0	0	0
MASTERS	II	PUB	II	15	II	81	52	150	97	937	362	1848	731	1063	451	1975	812

SECTION B
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT 4-YR COLLEGES

PROGRAM AWARD LEVEL	CNT	DUR	TOTAL COST PER MONTH						TUITION						TOTAL COST						
			RESIDENT			N-RESIDENT			RESIDENT			N-RESIDENT			RESIDENT			N-RESIDENT			
			MEAN	S.D.		MEAN	S.D.		MEAN	S.D.		MEAN	S.D.		MEAN	S.D.		MEAN	S.D.		
CYTOTECHNOLOGIST																					(N= 15)
CERTIFICATE III	PUB	12	36	29	44	40	400	141	500	0	432	343	532	478							
	PRI	16	46	24	29	0	600	0	600	0	725	35	700	0							
CERTIFICATE IV	PUB	12	1	0	1	0	0	0	0	0	15	0	15	0							
ASSOCIATE	PUB	30	36	11	81	7	608	0	2296	0	1094	320	2418	195							
	PRI	30	169	0	169	0	4600	0	4600	0	5075	0	5075	0							
BACHELORS	PUB	39	33	0	97	0	891	0	3378	0	1281	0	3768	0							
	PRI	38	133	73	76	49	3900	1400	2950	2217	5768	3136	3293	2531							
BACHELORS (+CERT)	PUB	21	33	0	48	0	300	0	500	0	700	0	1000	0							
MEDICAL LABORATORY SCIENTIST																					(N= 5)
BACHELORS	PRI	36	206	0	206	0	6720	0	6720	0	7400	0	7400	0							
MASTERS	PUB	20	62	42	126	0	485	332	1550	0	1246	954	2271	0							
	PRI	24	133	0	133	0	3000	0	3000	0	3200	0	3200	0							
DOCTORATE	PRI	24	133	0	133	0	3000	0	3000	0	3200	0	3200	0							
MEDICAL LABORATORY TECHNICIAN																					(N= 19)
CERTIFICATE III	PRI	22	0	0	25	0	0	0	400	0	0	0	540	0							
ASSOCIATE	PUB	21	55	12	114	32	901	283	2125	717	1143	259	2367	697							
	PRI	21	163	65	154	47	2998	1143	2904	622	3278	1129	3082	712							
ASSOCIATE (+CERT)	PUB	17	32	23	25	0	225	71	375	0	450	177	525	0							
BACHELORS	PRI	36	97	0	97	0	3120	0	3120	0	3490	0	3490	0							
MEDICAL TECHNOLOGIST																					(N=371)
DIPLOMA	PUB	27	10	0	21	0	220	0	520	0	273	0	573	0							
BACHELORS	PUB	36	52	31	106	50	1402	921	3322	1679	1818	1058	3759	1752							
	PRI	35	180	109	175	90	5263	2082	5193	1930	5773	2297	5722	2063							
BACHELORS (+CERT)	PUB	29	52	28	124	58	1048	755	3159	2278	1450	975	3674	2462							
	PRI	32	136	61	142	70	4725	2087	5173	2304	5128	2316	5304	2660							
COLLEGIATE CERT	PUB	12	67	0	52	0	300	0	500	0	800	0	1100	0							
MASTERS	PUB	23	51	42	141	141	771	364	2104	1427	938	397	2304	1411							
	PRI	22	125	48	159	0	2122	782	3000	0	2285	945	3180	0							
DOCTORATE	PUB	50	45	0	65	0	1470	0	2470	0	2470	0	3470	0							
MICROBIOLOGY TECHNOLOGIST																					(N= 6)
BACHELORS	PUB	40	35	6	132	38	801	259	4247	904	1583	475	5129	833							
	PRI	32	0	0	0	0	8960	0	8960	0	0	0	0	0							
MASTERS	PUB	30	25	12	131	50	673	467	3139	1667	1006	857	4300	424							
	PRI	18	6	0	0	0	0	0	0	0	100	0	0	0							
DENTAL ASSISTANT																					(N= 12)
CERTIFICATE II	PUB	10	55	16	126	40	366	155	1033	252	528	164	1195	342							
	PRI	9	136	75	136	75	1013	689	1013	689	1227	674	1227	674							

SECTION B
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT 4-YR COLLEGES

PROGRAM AWARD LEVEL	ONT	OUR	TOTAL COST PER MONTH				TUITION				TOTAL COST			
			RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT	
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
CONTINUED FROM PREVIOUS PAGE														
ASSOCIATE	PUB	18	73	2	166	33	1020	34	2697	658	1316	31	2993	593
	PRI	19	25	23	52	15	525	0	803	392	463	407	1003	357
ASSOCIATE (+CERT)	PUB	24	24	0	41	0	350	0	750	0	575		975	0
DENTAL HYGIENIST (N= 28)														
CERTIFICATE II	PUB	18	67	0	187	0	240	0	2400	0	1208	0	3368	0
CERTIFICATE IV	PUB	24	57	0	91	0	940	0	1740	0	1375	0	2175	0
ASSOCIATE	PUB	19	80	27	164	62	992	478	2440	1133	1530	534	3123	1128
	PRI	18	433	0	255	0	7200	0	4000	0	7785	0	4585	0
BACHELORS	PUB	20	92	36	180	79	1176	775	2640	1211	1773	1026	3299	1496
	PRI	18	257	0	257	0	3534	0	3534	0	4634	0	4634	0
BACHELORS (+CERT)	PUB	24	79	21	126	48	1158	502	2239	1183	1834	401	3018	1344
	PRI	17	103	0	103	0	900	0	900	0	1743	0	1743	0
DIETETIC TECHNICIAN (N= 7)														
ASSOCIATE	PUB	18	63	20	117	33	912	255	1881	469	1135	363	2104	594
	PRI	18	187	71	122	0	2887	1715	1250	0	3405	1536	2200	0
DIETITIAN (N= 59)														
BACHELORS	PUB	36	41	26	100	56	865	702	3026	1815	1373	904	3453	1942
	PRI	32	186	111	182	127	5362	2496	4913	2386	5744	2598	5281	2497
BACHELORS (+CERT)	PUB	36	15	0	54	0	612	0	1872	0	685	0	1945	0
COLLEGIATE CERT	PUB	10	38	15	63	20	180	112	419	140	355	120	594	147
MASTERS	PUB	13	46	29	125	34	391	23	1704	1268	634	245	1947	1046
DIETITIAN/NUTRITIONIST (N= 36)														
BACHELORS	PUB	33	72	42	135	74	1835	985	3653	1737	2214	1062	4140	1707
	PRI	34	166	87	161	42	5452	2866	5259	2038	5807	3147	5536	3300
BACHELORS (+CERT)	PRI	36	0	0	0	0	6000	0	0	0	0	0	0	0
MASTERS	PUB	11	49	19	134	37	780	710	1588	755	920	753	1741	775
	PRI	12	246	0	0	0	2880	0	0	0	2956	0	0	0
DIETETIC ASSISTANT (N= 51)														
CERTIFICATE II	PRI	9	12	0	12	0	80	0	80	0	105	0	105	0
CERTIFICATE III	PUB	15	24	18	24	0	235	134	380	0	318	173	415	0
ASSOCIATE	PUB	20	48	0	119	0	525	346	2456	510	1185	317	2716	482
ENVIRONMENTAL ENGINEER (N= 101)														
BACHELORS	PUB	32	70	57	142	130	326	206	3314	2967	2386	2243	4874	5003
	PRI	36	312	54	305	63	10100	2687	10100	2687	11235	1930	10985	2284
MASTERS	PUB	11	115	22	182	81	1020	42	1665	445	1183	18	1823	463

SECTION B
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT 4-YR COLLEGES

PROGRAM AWARD LEVEL	II CNT	II DUR	TOTAL COST PER MONTH II						DIVISION II						TOTAL COST II						
			RESIDENT I			N-RESIDENT I			RESIDENT I			N-RESIDENT I			RESIDENT I			N-RESIDENT I			
			II MEAN	II S.D.	II N	II MEAN	II S.D.	II N	II MEAN	II S.D.	II N	II MEAN	II S.D.	II N	II MEAN	II S.D.	II N	II MEAN	II S.D.	II N	
CONTINUED FROM PREVIOUS PAGE																					
DOCTORATE	II PRI	II	10	II	312	40	II	297	43	II	2790	338	II	2700	424	II	3073	125	II	3075	177
	II PRI	II	48	II	66	0	II	0	0	II	2970	0	II	0	0	II	3170	0	II	0	0
ENVIRONMENTAL HEALTH TECHNICIAN															(N= 7)						
ASSOCIATE	II PUB	II	18	II	73	9	II	144	34	II	820	436	II	2162	1202	II	1370	178	II	2691	670
BACHELORS	II PRI	II	21	II	181	0	II	181	0	II	3440	0	II	3440	0	II	3810	0	II	3810	0
	II PUB	II	29	II	65	2	II	177	136	II	1639	267	II	4149	2052	II	2343	62	II	4677	1651
ENVIRONMENTALIST															(N= 24)						
BACHELORS	II PUB	II	33	II	62	48	II	132	67	II	1317	922	II	3583	2077	II	2120	1532	II	4415	2306
BACHELORS (+CERT)	II PRI	II	39	II	253	34	II	253	34	II	8175	1276	II	8175	1276	II	9255	1373	II	9255	1373
	II PUB	II	18	II	72	0	II	201	0	II	1104	0	II	3418	0	II	1298	0	II	3612	0
MASTERS	II PUB	II	15	II	72	45	II	132	24	II	953	674	II	1817	548	II	1257	874	II	2170	797
COMMUNITY/PUBLIC HEALTH EDUCATOR															(N= 14)						
BACHELORS	II PUB	II	33	II	40	22	II	130	72	II	938	814	II	3471	2208	II	1226	746	II	3925	2083
MASTERS	II PRI	II	22	II	346	96	II	346	96	II	3760	1356	II	3760	1356	II	5190	269	II	5190	269
	II PUB	II	14	II	21	8	II	89	38	II	260	127	II	1345	839	II	307	163	II	1392	845
	II PRI	II	18	II	90	0	II	90	0	II	1620	0	II	1620	0	II	1620	0	II	1620	0
SCHOOL HEALTH EDUCATOR															(N= 57)						
BACHELORS	II PUB	II	34	II	66	53	II	138	83	II	1417	881	II	3674	2229	II	2202	1692	II	4410	2522
BACHELORS (+CERT)	II PRI	II	27	II	217	173	II	217	173	II	6060	2763	II	6060	2763	II	5423	4040	II	5423	4040
	II PUB	II	37	II	53	30	II	110	54	II	1352	1113	II	3044	1567	II	1561	1153	II	4069	2079
MASTERS	II PRI	II	36	II	219	144	II	285	138	II	6840	4322	II	6840	4322	II	6695	4853	II	7777	5320
	II PUB	II	11	II	74	64	II	110	60	II	447	375	II	887	293	II	346	795	II	1156	693
MASTERS (+CERT)	II PRI	II	11	II	161	30	II	161	30	II	1478	598	II	1478	598	II	1720	658	II	1720	658
	II PUB	II	12	II	88	88	II	100	106	II	675	742	II	825	355	II	1052	1059	II	1202	1271
HEALTH EDUCATOR															(N= 21)						
BACHELORS	II PUB	II	31	II	43	32	II	98	56	II	1094	854	II	2903	1605	II	1397	1104	II	3064	1887
BACHELORS (+CERT)	II PRI	II	21	II	148	61	II	109	6	II	2800	849	II	1500	707	II	3225	691	II	2358	1290
	II PUB	II	30	II	81	0	II	105	25	II	1600	0	II	2800	283	II	1000	1344	II	2050	1735
MASTERS	II PRI	II	42	II	146	139	II	48	0	II	5500	4667	II	2200	0	II	5540	4610	II	2280	0
	II PUB	II	15	II	12	0	II	27	0	II	61	56	II	161	169	II	81	45	II	181	198
	II PRI	II	30	II	0	0	II	88	0	II	0	0	II	2500	0	II	0	0	II	2650	0
ALLIED HEALTH EDUCATOR															(N= 5)						
BACHELORS	II PUB	II	23	II	65	0	II	150	33	II	741	369	II	2364	51	II	1376	126	II	2958	365
BACHELORS (+CERT)	II PUB	II	18	II	175	0	II	335	0	II	2858	0	II	5796	0	II	3158	0	II	6056	0

SECTION B
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT 4-YR COLLEGES

PROGRAM AWARD LEVEL	CNT	DUR	TOTAL COST PER MONTH				TUITION				TOTAL COST			
			RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT	
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
CONTINUED FROM PREVIOUS PAGE														
MASTERS	PUB	18	87	0	157	0	1260	0	2520	0	1560	0	2820	0
TEACHER OF THE DEAF (N= 14)														
BACHELORS	PRI	30	192	44	214	48	6900	1556	6000	1908	6930	1598	6153	1757
BACHELORS (+CERT)	PUB	40	15	0	38	0	750	0	1520	0	750	0	1520	0
	PRI	34	200	197	200	197	5900	5657	5900	5657	6513	6120	6513	6120
MASTERS	PRI	12	223	33	223	33	2448	426	2448	426	2605	475	2605	475
MASTERS (+CERT)	PUB	12	74	0	74	0	568	322	1130	381	643	308	1205	318
	PRI	12	217	0	217	0	2500	0	2500	0	2600	0	2600	0
TEACHER OF THE EMOTIONALLY DISTURBED (N= 17)														
BACHELORS	PUB	34	45	36	76	56	1281	1008	2664	1476	1612	1313	2719	2045
	PRI	26	107	72	107	72	2040	509	2040	509	2263	371	2263	371
BACHELORS (+CERT)	PRI	18	117	0	0	0	0	0	0	0	2100	0	0	0
MASTERS	PUB	12	66	20	172	62	576	244	1762	777	743	163	1942	734
	PRI	12	131	0	0	0	1344	0	0	0	1444	0	0	0
TEACHER OF THE LEARNING DISABLED (N= 18)														
BACHELORS	PUB	31	44	29	101	64	1123	443	3172	1464	1301	861	2999	1978
	PRI	27	66	28	87	64	693	60	2128	2487	1225	636	2350	2685
BACHELORS (+CERT)	PRI	18	354	209	472	55	7900	1273	7900	1273	6367	3761	8500	990
MASTERS	PUB	14	63	16	155	88	642	218	1557	923	808	151	1724	833
TEACHER OF THE MENTALLY RETARDED (N= 45)														
BACHELORS	PUB	31	65	47	119	61	1557	1020	3343	1737	2053	1599	3700	2205
	PRI	32	199	129	230	132	5657	2930	5983	2921	5941	3279	6614	3293
BACHELORS (+CERT)	PUB	26	32	15	122	30	756	841	3260	3041	581	1018	3463	3136
	PRI	27	286	0	286	0	7480	0	7480	0	7730	0	7730	0
MASTERS	PUB	18	59	41	119	108	599	291	1308	955	719	296	1374	990
	PRI	12	143	16	154	0	1522	252	1700	0	1647	287	1850	0
TEACHER OF SPECIAL EDUCATION-NOT SPECIF (N= 45)														
BACHELORS	PUB	32	65	40	144	74	1671	587	3816	1527	2098	1121	4244	1572
	PRI	32	117	65	118	72	2981	1411	3053	1531	3386	1406	3282	1569
BACHELORS (+CERT)	PUB	36	76	5	156	15	2522	110	5406	812	2722	173	5606	529
MASTERS	PUB	13	55	61	151	119	850	578	2064	1275	1112	715	2305	1413
	PRI	12	207	11	215	0	2358	166	2475	0	2486	127	2575	0
MASTERS (+CERT)	PRI	24	0	0	215	0	0	0	5000	0	0	0	5150	0
ADV-STANDING CERT	PUB	12	0	0	0	0	345	0	885	0	640	0	1180	0
DOCTORATE	PUB	30	124	120	318	316	2500	2121	7500	6364	3200	2546	8200	6788

SECTION B
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT 4-YR COLLEGES

PROGRAM AWARD LEVEL	II CNT	II DUR	TOTAL COST PER MONTH						TUITION						TOTAL COST					
			RESIDENT			N-RESIDENT			RESIDENT			N-RESIDENT			RESIDENT			N-RESIDENT		
			II MEAN	II S.D.	II MEAN	II S.D.	II MEAN	II S.D.	II MEAN	II S.D.	II MEAN	II S.D.	II MEAN	II S.D.	II MEAN	II S.D.	II MEAN	II S.D.		
RESPIRATORY THERAPIST																			(N= 27)	
ASSOCIATE	II	PUB	19	11	55	15	124	41	846	332	2295	857	1066	374	2519	821				
	II	PRI	24	11	136	61	153	55	2894	1190	3242	978	3172	1263	3574	1056				
ASSOCIATE (+CERT)	II	PUB	24	11	45	11	54	0	475	177	750	0	1085	262	1700	0				
BACHELORS	II	PUB	30	11	77	21	136	41	1563	1324	3011	2285	1875	1498	3322	2433				
	II	PRI	35	11	234	112	178	78	6733	1986	7150	2616	7162	1894	7620	2432				
BACHELORS (+CERT)	II	PUB	12	11	88	0	139	0	615	0	1230	0	1055	0	1670	0				
	II	PRI	36	11	172	0	172	0	5700	0	5700	0	6200	0	6200	0				
MEDICAL RECORD ADMINISTRATOR																			(N= 32)	
BACHELORS	II	PUB	29	11	62	48	133	128	1147	633	2495	1359	1428	748	2864	1385				
	II	PRI	34	11	186	99	194	104	4584	2370	5621	2493	5781	2786	6193	2812				
BACHELORS (+CERT)	II	PUB	12	11	35	0	160	0	180	0	1680	0	420	0	1920	0				
	II	PRI	25	11	104	46	88	42	2186	1957	1215	295	2423	2006	1428	324				
COLLEGIATE CERT	II	PUB	19	11	43	0	73	0	612	0	1190	0	812	0	1390	0				
MEDICAL RECORD TECHNICIAN																			(N= 5)	
ASSOCIATE	II	PUB	18	11	77	36	134	12	961	115	2027	163	1410	634	2463	295				
	II	PRI	21	11	156	55	126	64	2855	488	2377	897	3150	495	2601	1013				
HUMAN SERVICES TECHNOLOGIST/TECHN																			(N= 5)	
CERTIFICATE II	II	PRI	10	11	91	0	0	0	800	0	0	0	910	0	0	0				
ASSOCIATE	II	PUB	20	11	62	19	116	2	829	238	2179	111	1222	270	2434	47				
	II	PRI	18	11	400	0	0	0	0	0	0	0	7200	0	0	0				
MENTAL HEALTH ASSOC/TECHN/ASSIST																			(N= 7)	
ASSOCIATE	II	PUB	19	11	59	14	124	42	544	154	2104	674	1112	175	2339	689				
	II	PRI	19	11	276	83	244	0	4200	200	4400	0	5080	1429	4400	0				
NUCLEAR MEDICINE TECHNOLOGIST/TECHN																			(N= 7)	
CERTIFICATE III	II	PUB	12	11	43	0	103	0	435	0	1155	0	515	0	1235	0				
	II	PRI	12	11	26	31	26	31	550	0	550	0	315	375	315	375				
ASSOCIATE	II	PRI	24	11	186	111	119	17	4040	1754	2638	230	4180	1552	2778	32				
BACHELORS	II	PUB	39	11	46	0	113	0	1795	0	4418	0	1795	0	4418	0				
	II	PRI	42	11	238	0	0	0	0	0	0	0	10000	0	0	0				
NURSE ANESTHETIST																			(N= 7)	
CERTIFICATE III	II	PUB	18	11	54	0	82	0	600	0	1000	0	980	0	1480	0				
DIPLOMA	II	PUB	24	11	51	0	0	0	720	0	0	0	1220	0	0	0				
	II	PRI	24	11	4	0	4	0	0	0	0	0	100	0	100	0				
BACHELORS	II	PRI	18	11	199	0	199	0	3100	424	3100	424	3315	375	3315	375				
BACHELORS (+CERT)	II	PRI	24	11	92	0	0	0	2000	0	0	0	2200	0	0	0				

SECTION B
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT 4-YR COLLEGES

PROGRAM AWARD LEVEL	CNT	DUR	TOTAL COST PER MONTH				TUITION				TOTAL COST			
			RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT	
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
OPTOMETRIC ASSISTANT/TECHNICIAN (N= 5)														
CERTIFICATE II	PUB	9	27	37	27	37	180	0	180	0	243	329	243	329
ASSOCIATE	PUB	18	51	0	118	0	1080	0	1580	0	1630	0	2130	0
	PRI	9	135	0	135	0	1060	0	1060	0	1253	0	1253	0
ASSOCIATE (+CERT)	PUB	18	31	0	53	0	500	0	500	0	550	0	950	0
PHYSICIAN ASSISTANT-PRIMARY CARE (N= 15)														
CERTIFICATE III	PRI	12	33	0	33	0	0	0	0	0	400	0	400	0
ASSOCIATE	PUB	18	61	0	109	0	824	0	1690	0	1094	0	1960	0
	PRI	21	167	0	0	0	3300	0	0	0	3500	0	0	0
BACHELORS	PUB	22	80	19	123	33	1253	536	2181	714	1799	650	2727	992
	PRI	42	48	0	48	0	1844	0	1844	0	2009	0	2009	0
BACHELORS (+CERT)	PUB	24	61	33	140	30	809	550	2685	980	1445	764	3322	759
	PRI	33	180	109	169	130	4189	3189	4118	3902	5158	3248	5158	3978
PHYSICIAN ASSISTANT-SPECIALIST (N= 6)														
ASSOCIATE	PRI	21	200	0	200	0	4020	0	4020	0	4195	0	4195	0
BACHELORS (+CERT)	PUB	23	43	25	72	49	1033	67	2065	134	1021	619	1710	1209
	PRI	22	236	0	236	0	4600	0	4600	0	5200	0	5200	0
RADIOLOGIC TECHNOLOGIST/TECHNICIAN (N= 46)														
CERTIFICATE IV	PUB	27	6	0	0	0	0	0	0	0	150	0	0	0
	PRI	24	15	0	19	0	300	0	300	0	450	0	450	0
DIPLOMA	PUB	24	46	0	46	0	480	0	480	0	1105	0	1105	0
ASSOCIATE	PUB	24	39	18	51	51	675	400	1531	1256	953	459	2223	1274
	PRI	26	126	23	108	38	2823	855	2520	1140	3240	1013	2741	1104
ASSOCIATE (+CERT)	PUB	28	37	26	58	32	603	533	1110	714	965	738	1472	901
	PRI	34	80	0	80	0	2295	0	2295	0	2705	0	2705	0
BACHELORS	PUB	32	45	42	112	97	922	804	2599	1905	1157	920	2862	2034
	PRI	33	138	57	144	58	3703	2224	3901	2378	4151	2463	4362	2607
BACHELORS (+CERT)	PUB	39	36	24	66	52	1288	762	2992	1704	1504	1228	2782	2275
MANUAL ARTS THERAPIST (N= 6)														
BACHELORS	PUB	35	47	30	58	66	1023	566	1407	1307	1461	1008	1672	1611
BACHELORS (+CERT)	PUB	36	22	8	50	19	548	421	1398	781	782	298	1789	682
OCCUPATIONAL THERAPIST (N= 14)														
BACHELORS	PUB	25	75	17	129	5	1143	213	2303	328	1573	204	2733	336
	PRI	35	145	114	187	124	4867	4446	6128	5477	5232	4771	6563	5908
BACHELORS (+CERT)	PUB	21	55	37	157	23	671	465	2765	926	1221	692	3315	700

SECTION B
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT 4-YR COLLEGES

PROGRAM AWARD LEVEL	 CNT 	 DUR 	TOTAL COST PER MONTH				TUITION				TOTAL COST			
			RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT	
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
CONTINUED FROM PREVIOUS PAGE														
COLLEGIATE CERT MASTERS	PRI	35	103	63	103	63	2950	1273	2950	1273	3230	1089	3230	1089
	PRI	18	137	0	0	0	2050	0	0	0	2460	0	0	0
	PUB	19	162	0	187	0	0	0	0	0	3718	0	4306	0
	PRI	12	258	0	258	0	3098	0	3098	0	3098	0	3098	0
CORRECTIVE THER/ADAPTED PHYS ED CIR (N= 7)														
BACHELORS	PUB	32	66	17	131	23	1613	360	3679	1574	2207	843	4272	1479
BACHELORS (+CERT)	PUB	41	37	6	151	24	648	0	5200	0	1484	0	6036	0
	PRI	21	418	0	418	0	8460	0	8460	0	8785	0	8785	0
MASTERS (+CERT)	PUB	12	50	0	122	0	555	0	1419	0	605	0	1469	0
PHYSICAL THERAPIST (N= 29)														
BACHELORS	PUB	30	100	78	145	88	1564	940	2727	1408	2568	1569	3841	1711
	PRI	36	171	80	146	44	4588	1974	4352	2052	5288	1804	5080	1882
BACHELORS (+CERT)	PUB	21	73	47	172	45	857	588	2731	1368	1357	817	3383	1127
	PRI	33	215	124	130	0	6367	5119	2000	0	7819	6502	2331	0
MUSIC THERAPIST (N= 14)														
BACHELORS	PUB	40	60	29	131	64	1914	903	4747	2575	2404	1163	5237	2676
	PRI	35	152	146	152	146	3668	3395	3668	3395	4532	3369	4532	3369
BACHELORS (+CERT)	PUB	38	158	0	279	0	2100	0	6680	0	6020	0	10600	0
	PRI	36	328	0	228	0	11200	0	7600	0	11800	0	8200	0
RECREATIONAL THERAPIST (N= 17)														
BACHELORS	PUB	29	31	19	131	90	548	244	3162	1908	837	431	3474	2048
	PRI	40	217	56	247	27	6973	1217	6760	1640	8443	1063	8910	976
MASTERS	PUB	12	44	27	107	65	352	208	989	587	447	281	1084	692
	PRI	12	173	0	173	0	1980	0	1980	0	2080	0	2080	0
REHABILITATION COUNSELOR (N= 19)														
BACHELORS	PUB	32	60	54	112	70	1802	1914	3168	2340	2074	2014	3383	2444
	PRI	18	278	0	278	0	4800	0	4800	0	5000	0	5000	0
MASTERS	PUB	15	46	32	133	39	548	423	1969	1548	677	469	2098	1621
	PRI	21	195	46	159	46	4037	909	4037	909	4152	908	4152	908
AUDIOLOGIST (N= 7)														
MASTERS	PUB	16	50	21	139	21	762	519	1784	216	1059	757	1924	367
	PRI	18	99	0	0	0	1044	0	0	0	1774	0	0	0

SECTION B
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT 4-YR COLLEGES

PROGRAM AWARD LEVEL	 CNT 	 DUR 	TOTAL COST PER MONTH						TUITION				TOTAL COST					
			RESIDENT		N-RESIDENT				RESIDENT		N-RESIDENT		RESIDENT		N-RESIDENT			
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.		
SPEECH PATHOLOGIST (N= 19)																		
MASTERS	PUB	15	55	26	112	66		687	448	1291	737		928	603	1605	848		
	PRI	12	144	0	144	0		1728	0	1728	0		1728	0	1728	0		
SPEECH PATHOLOGIST (PRE-MAST) (N= 25)																		
BACHELORS	PUB	27	54	36	122	79		1121	961	2972	2045		1485	1191	3308	2272		
	PRI	33	166	48	176	43		5021	1296	5257	1243		5291	1308	5547	1224		
BACHELORS (+CERT)	PUB	32	79	48	110	38		2289	1837	3124	1214		2635	2000	3470	1447		
	PRI	42	169	0	169	0		6000	0	6000	0		6080	0	6080	0		
SPEECH PATHOLOGIST/AUDIOLOGIST (N= 38)																		
BACHELORS	PUB	27	168	159	552	665		3474	2215	11714	10474		3524	2144	11764	10403		
	COLLEGIATE CERT	9	20	0	73	0		83	0	559	0		183	0	659	0		
MASTERS	PUB	15	63	58	140	105		866	916	1981	1603		1093	1200	2254	1881		
	PRI	15	192	48	209	29		2625	296	2750	274		2767	359	2929	275		
MASTERS (+CERT)	PUB	27	56	0	130	0		1000	0	3000	0		1500	0	3500	0		
	DOCTORATE	33	51	0	72	0		1540	0	2290	0		1840	0	2590	0		
SPEECH PATHOLOGIST/AUDIOLOGIST (PRE-MAST) (N= 56)																		
BACHELORS	PUB	32	72	42	147	68		1730	1097	3911	1994		2335	1477	4572	2299		
	PRI	34	205	61	210	61		6781	2230	7095	2053		7049	2374	7172	2447		
BACHELORS (+CERT)	PUB	36	46	41	136	119		776	702	3149	3090		1147	1053	3520	3402		
	PRI	30	241	106	0	0		5717	2624	0	0		6487	2228	0	0		
VOCATIONAL EVALUATOR (N= 5)																		
BACHELORS	PRI	28	210	59	210	59		5090	1215	5090	1215		5523	1021	5523	1021		
	MASTERS (+CERT)	8	11	0	11	0		0	0	0	0		90	0	90	0		

SECTION C:
TWO-YEAR COLLEGES

SECTION C
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT 2-YR COLLEGES

PROGRAM	II	II	II	TOTAL COST PER MONTH				TUITION				TOTAL COST				
AWARD	II	CNT	II	DUR	II	RESIDENT	II	N-RESIDENT	II	RESIDENT	II	N-RESIDENT	II	RESIDENT	II	N-RESIDENT
LEVEL	II	II	II	II	II	MEAN	II	S.D.	II	MEAN	II	S.D.	II	MEAN	II	S.D.
HEALTH CARE ASSISTANT ADMINISTRATOR (N= 5)																
ASSOCIATE	II	PUB	II	20	II	40	II	15	II	75	II	30	II	557	II	194
ASSOCIATE (+CERT)	II	PUB	II	18	II	42	II	0	II	126	II	0	II	500	II	0
LONG-TERM CARE ADMINISTRATOR (N= 11)																
CERTIFICATE I	II	PUB	II	1	II	60	II	0	II	0	II	0	II	50	II	0
CERTIFICATE II	II	PUB	II	11	II	10	II	5	II	40	II	45	II	105	II	42
ASSOCIATE	II	PUB	II	20	II	20	II	12	II	83	II	10	II	426	II	79
	II	PRI	II	25	II	87	II	46	II	87	II	46	II	1850	II	212
CONT EDUC CERT	II	PUB	II	6	II	0	II	0	II	0	II	0	II	90	II	0
MEDICAL/DENTAL SECRETARY (N=101)																
CERTIFICATE II	II	PUB	II	10	II	35	II	6	II	53	II	28	II	303	II	91
CERTIFICATE III	II	PUB	II	12	II	46	II	12	II	70	II	29	II	391	II	135
CERTIFICATE IV	II	PUB	II	24	II	4	II	0	II	38	II	0	II	0	II	0
DIPLOMA	II	PRI	II	15	II	97	II	0	II	57	II	0	II	1614	II	0
ASSOCIATE	II	PUB	II	18	II	43	II	21	II	88	II	44	II	573	II	326
	II	PRI	II	17	II	174	II	75	II	174	II	74	II	2608	II	1036
ASSOCIATE (+CERT)	II	PUB	II	19	II	33	II	27	II	82	II	28	II	615	II	566
	II	PRI	II	17	II	121	II	71	II	104	II	90	II	1725	II	1236
MEDICAL OFFICE ASSISTANT (N=103)																
CERTIFICATE I	II	PRI	II	4	II	223	II	0	II	223	II	0	II	0	II	0
CERTIFICATE II	II	PUB	II	9	II	38	II	22	II	58	II	66	II	272	II	169
	II	PRI	II	9	II	239	II	0	II	239	II	0	II	1950	II	0
CERTIFICATE III	II	PUB	II	11	II	30	II	12	II	52	II	31	II	259	II	104
DIPLOMA	II	PUB	II	10	II	36	II	20	II	90	II	18	II	316	II	219
ASSOCIATE	II	PUB	II	19	II	40	II	26	II	86	II	45	II	596	II	452
	II	PRI	II	19	II	207	II	115	II	151	II	113	II	2868	II	1453
ASSOCIATE (+CERT)	II	PUB	II	18	II	25	II	24	II	52	II	44	II	379	II	317
CONT EDUC CERT	II	PUB	II	15	II	2	II	0	II	0	II	0	II	0	II	0
UNIT CLERK (N= 19)																
CERTIFICATE I	II	PUB	II	3	II	24	II	13	II	102	II	41	II	36	II	30
CERTIFICATE II	II	PUB	II	6	II	13	II	7	II	41	II	12	II	42	II	5
DIPLOMA	II	PUB	II	3	II	28	II	0	II	86	II	0	II	46	II	0
ASSOCIATE (+CERT)	II	PUB	II	20	II	8	II	0	II	20	II	0	II	0	II	0
BIOMEDICAL ENGINEERING TECHNICIAN (N= 19)																
CERTIFICATE III	II	PUB	II	21	II	30	II	0	II	57	II	0	II	450	II	0
ASSOCIATE	II	PUB	II	20	II	60	II	52	II	115	II	96	II	797	II	622
	II	PRI	II	23	II	179	II	0	II	179	II	0	II	3780	II	0
ASSOCIATE (+CERT)	II	PUB	II	24	II	0	II	0	II	5	II	0	II	0	II	0

SECTION C
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT 2-YR COLLEGES

PROGRAM	II	II	II	TOTAL COST PER MONTH				II	TOTAL COST				II	TOTAL COST			
AWARD	II	CNT	II	DUR	II	RESIDENT	I	N-RESIDENT	II	RESIDENT	I	N-RESIDENT	II	RESIDENT	I	N-RESIDENT	
LEVEL	II	II	II	MEAN	S.D.	I	MEAN	S.D.	II	MEAN	S.D.	I	MEAN	S.D.	I	MEAN	S.D.

CONTINUED FROM PREVIOUS PAGE

MEDICAL LABORATORY ASSISTANT

(N= 21)

CERTIFICATE II	II	PUB	II	10	II	51	55	I	81	30	II	340	382	I	535	403	II	429	405	I	707	627
CERTIFICATE III	II	PUB	II	12	II	43	26	I	68	52	II	380	164	I	706	405	II	507	308	I	799	610
CERTIFICATE IV	II	PUB	II	24	II	19	8	I	32	13	II	319	115	I	624	249	II	459	185	I	769	313
DIPLOMA	II	PUB	II	12	II	29	10	I	49	25	II	209	94	I	432	274	II	353	121	I	576	263
ASSOCIATE	II	PUB	II	23	II	40	0	I	77	29	II	600	0	I	1500	707	II	949	1	I	1849	706
ASSOCIATE (+CERT)	II	PUB	II	15	II	32	12	I	65	0	II	364	218	I	1318	0	II	505	317	I	1529	

MEDICAL LABORATORY TECHNICIAN

(N=129)

ASSOCIATE	11	PUB	11	20	11	45	22	11	90	45	11	686	375	11	1569	908	11	511	439	11	1832	931
	11	PRI	11	20	11	118	78	11	106	57	11	2110	1372	11	2105	983	11	2282	1363	11	2263	944
ASSOCIATE (+CERT)	11	PUB	11	21	11	46	31	11	86	63	11	646	463	11	1384	833	11	859	493	11	1598	927
	11	PRI	11	20	11	118	0	11	118	0	11	2000	0	11	2000	0	11	2350	0	11	2350	0

DENTAL ASSISTANT

(N=149)

CERTIFICATE II		PUB		10		46	27		117	65		354	253		1891	7328		443	261		1100	574
		PRI		9		181	82		239	0		1477	669		1950	0		1625	742		2150	0
CERTIFICATE III		PUB		12		37	12		69	37		302	144		682	436		455	167		850	432
		PRI		12		198	0		198	0		2200	0		2200	0		2375	0		2375	0
DIPLOMA		PUB		11		36	19		61	31		263	196		488	312		416	220		689	314
ASSOCIATE		PUB		18		42	29		113	41		756	297		1756	754		746	499		2033	786
		PRI		18		220	0		220	0		3790	0		3790	0		3965	0		3965	0
ASSOCIATE (+CERT)		PUB		19		17	14		82	34		285	288		1400	428		320	229		1526	587
CONT EDUC CERT		PUB		5		2	0		0	0		0	0		0	0		11	0		0	

DENTAL HYGIENIST

(N = 81)

CERTIFICATE III	11	PUB	11	20	11	93	0	1	134	0	11	824	0	1	1648	0	11	1854	0	1	2678	0
ASSOCIATE	11	PUB	11	19	11	60	27	1	107	48	11	623	348	1	1576	915	11	1152	516	1	2084	970
ASSOCIATE (+CERT)	11	PUB	11	19	11	62	25	1	135	26	11	626	168	1	1808	465	11	1177	450	1	2528	384
	11	PRI	11	24	11	94	0	1	94	0	11	2000	0	1	2000	0	11	2244	0	1	2244	0

DENTAL TECHNICIAN

(N= 29)

CERTIFICATE III	11	PUB	11	20	11	18	18	11	18	18	11	522	5	11	1558	1460	11	415	267	11	1106	1310
ASSOCIATE	11	PUB	11	21	11	37	14	11	84	42	11	526	243	11	1413	755	11	785	302	11	1733	760
ASSOCIATE (+CERT)	11	PUB	11	18	11	21	15	11	64	18	11	257	200	11	1051	371	11	335	263	11	1257	384

DIETETIC TECHNICIAN

(N = 26)

CERTIFICATE I.	11	PUB	11	18	11	27	0	11	71	0	11	480	0	11	1280	0	11	480	0	11	1280	0
ASSOCIATE	11	PUB	11	19	11	52	33	11	92	66	11	667	472	11	1245	1001	11	944	638	11	1614	1095
	11	PR1	11	19	11	156	15	11	161	13	11	2551	598	11	2734	579	11	2972	567	11	3122	588

SECTION C
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT 2-YR COLLEGES

PROGRAM AWARD LEVEL	II CNT	II DUR	TOTAL COST PER MONTH						TUITION						TOTAL COST							
			RESIDENT		N-RESIDENT				RESIDENT		N-RESIDENT				RESIDENT		N-RESIDENT					
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.				
CONTINUED FROM PREVIOUS PAGE																						
ASSOCIATE (+CERT)	II	PUB	18	22	0	111	0	26	0	1620	0	401	0	1995	0							
DIETETIC ASSISTANT															(N= 8)							
CERTIFICATE II	II	PUB	9	20	6	58	58	94	76	329	423	155	80	576	588							
CERTIFICATE III	II	PRI	16	3	0	3	0	50	0	50	0	50	0	50	0							
AMBULANCE ATTENDANT															(N= 13)							
CERTIFICATE I	II	PUB	4	7	6	16	16	22	24	75	59	29	24	67	57							
CERTIFICATE II	II	PUB	9	23	0	0	0	126	0	0	0	211	0	0	0							
CONT EDUC CERT	II	PUB	4	2	0	2	0	6	4	6	4	6	4	6	4							
EMERGENCY MEDICAL TECHNICIAN															(N= 56)							
CERTIFICATE I	II	PUB	4	14	21	36	36	31	30	81	97	34	32	74	91							
CERTIFICATE II	II	PUB	7	10	18	32	33	96	157	269	232	79	142	228	258							
ASSOCIATE	II	PUB	24	25	17	75	77	465	276	1215	1082	593	400	1793	1842							
ASSOCIATE (+CERT)	II	PUB	15	93	3	110	85	949	479	1904	967	1309	564	1583	1395							
CONT EDUC CERT	II	PUB	4	2	0	0	0	6	0	0	0	8	3	10	0							
ENVIRONMENTAL ENGINEERING ASSISTANT															(N= 6)							
CERTIFICATE II	II	PUB	9	11	12	40	22	84	107	348	187	102	104	356	197							
ASSOCIATE	II	PUB	21	44	49	106	80	652	685	1700	990	790	759	1888	1008							
ENVIRONMENTAL HEALTH TECHNICIAN															(N= 20)							
CERTIFICATE III	II	PUB	21	4	0	41	0	32	0	792	0	92	0	852	0							
ASSOCIATE	II	PUB	20	45	27	86	38	634	426	1358	672	837	489	1606	718							
ASSOCIATE (+CERT)	II	PRI	20	186	0	186	0	3500	0	3500	0	3720	0	3720	0							
ASSOCIATE (+CERT)	II	PUB	19	11	0	0	0	0	0	0	0	200	0	0	0							
RESPIRATORY THERAPIST															(N= 80)							
CERTIFICATE III	II	PUB	22	15	0	40	0	266	0	800	0	336	0	870	0							
CERTIFICATE IV	II	PUB	22	21	18	54	65	520	0	2120	0	484	458	1284	1590							
ASSOCIATE	II	PUB	22	36	22	76	39	562	385	1447	754	782	443	1669	822							
ASSOCIATE (+CERT)	II	PRI	21	176	34	200	0	3341	91	3405	0	3651	219	3805	0							
ASSOCIATE (+CERT)	II	PUB	22	31	24	96	30	683	392	1795	731	703	547	2057	693							
ASSOCIATE (+CERT)	II	PRI	22	112	45	112	45	2142	789	2142	789	2418	1057	2418	1057							
RESPIRATORY THERAPY TECHNICIAN															(N= 21)							
CERTIFICATE II	II	PUB	11	39	20	101	96	362	99	1442	800	428	227	1106	1057							
CERTIFICATE III	II	PUB	12	42	31	77	52	381	361	787	639	519	374	920	627							
DIPLOMA	II	PUB	18	46	0	78	0	575	0	1150	0	830	0	1405	0							

SECTION C
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT 2-YR COLLEGES

PROGRAM AWARD LEVEL	CNT	DUR	TOTAL COST PER MONTH						TUITION						TOTAL COST					
			RESIDENT			N-RESIDENT			RESIDENT			N-RESIDENT			RESIDENT			N-RESIDENT		
			MEAN	S.D.		MEAN	S.D.		MEAN	S.D.		MEAN	S.D.		MEAN	S.D.		MEAN	S.D.	
CONTINUED FROM PREVIOUS PAGE																				
ASSOCIATE	II	PUB	22	36	25	131	31	564	496	2590	712	769	562	2830	754					
MEDICAL RECORD TECHNICIAN															(N= 45)					
CERTIFICATE II	II	PUB	10	40	25	134	54	370	165	1260	564	411	274	1396	597					
ASSOCIATE	II	PUB	19	41	21	85	44	481	321	1229	770	757	394	1598	817					
	II	PRI	19	140	91	203	49	2172	1124	2890	410	2684	1559	3660	877					
ASSOCIATE (+CERT)	II	PUB	20	34	25	93	21	598	708	1607	753	717	630	1844	612					
	II	PRI	22	0	0	146	0	0	0	2970	0	0	0	3220	0					
MEDICAL TRANSCRIPTIONIST															(N= 10)					
CERTIFICATE I	II	PUB	4	45	0	52	59	166	0	232	314	271	0	290	381					
CERTIFICATE II	II	PUB	9	23	21	132	79	105	95	1090	763	205	186	1190	708					
CERTIFICATE III	II	PUB	15	22	13	73	10	230	235	991	404	314	230	1083	364					
ASSOCIATE	II	PUB	16	27	18	58	3	310	410	465	496	464	475	850	493					
ASSOCIATE (+CERT)	II	PRI	18	77	0	0	0	1250	0	0	0	1385	0	0	0					
HUMAN SERVICES TECHNOLOGIST/TECHN															(N= 28)					
CERTIFICATE III	II	PUB	14	26	20	66	7	199	245	754	13	324	209	879	49					
ASSOCIATE	II	PUB	19	49	39	103	73	626	321	1516	717	795	379	1718	709					
	II	PRI	19	301	0	0	0	5200	0	0	0	5720	0	0	0					
ASSOCIATE (+CERT)	II	PUB	18	37	0	87	0	165	191	1200	0	660	0	1560	0					
MENTAL HEALTH ASSOC/TECHN/ASSIST															(N= 57)					
ASSOCIATE	II	PUB	19	48	47	133	165	564	314	1604	793	858	657	2493	3408					
	II	PRI	20	163	98	119	14	2810	1708	1825	106	3202	1896	2150	247					
ASSOCIATE (+CERT)	II	PUB	18	23	24	131	50	481	438	2194	557	456	494	2494	699					
MENTAL RETARDATION AIDE															(N= 5)					
ASSOCIATE	II	PUB	21	38	0	92	0	735	0	2043	0	910	0	2218	0					
	II	PRI	19	244	81	187	0	4205	1407	3210	0	4540	1669	3360	0					
ASSOCIATE (+CERT)	II	PUB	18	533	0	0	0	810	0	0	0	9600	0	0	0					
PSYCHIATRIC AIDE															(N= 9)					
CERTIFICATE I	II	PUB	2	4	0	0	0	10	6	0	0	12	6	0	0					
CERTIFICATE II	II	PUB	9	16	0	16	0	0	0	0	0	180	0	180	0					
CERTIFICATE III	II	PUB	13	8	3	44	52	30	0	1100	0	108	39	534	614					
CERTIFICATE IV	II	PUB	15	22	0	109	0	0	0	0	0	325	0	1629	0					

SECTION C
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT 2-YR COLLEGES

PROGRAM AWARD LEVEL	II	ONT	II	OUR	II	TOTAL COST PER MONTH		II	TUITION		II	TOTAL COST		II	TOTAL COST	
	II	ONT	II	OUR	II	RESIDENT	N-RESIDENT	II	RESIDENT	N-RESIDENT	II	RESIDENT	N-RESIDENT	II	RESIDENT	N-RESIDENT
	II	ONT	II	OUR	II	MEAN	S.D.	II	MEAN	S.D.	II	MEAN	S.D.	II	MEAN	S.D.
NUCLEAR MEDICINE TECHNOLOGIST/TECHN																
(N= 51)																
ASSOCIATE	II	PUB	II	23	II	44	27	I	78	54	II	760	518	I	1553	1065
NURSE AIDE																
(N= 80)																
CERTIFICATE I	II	PUB	II	3	II	28	25	I	67	47	II	45	38	I	171	145
CERTIFICATE II	II	PUB	II	7	II	11	13	I	45	63	II	38	50	I	271	380
DIPLOMA	II	PUB	II	9	II	30	0	I	0	0	II	225	0	I	0	0
NURSE AIDE/ORDERLY																
(N= 14)																
CERTIFICATE I	II	PUB	II	2	II	46	24	I	60	35	II	49	48	I	106	122
OPERATING ROOM TECHNICIAN																
(N= 57)																
CERTIFICATE I	II	PUB	II	6	II	8	4	I	0	0	II	32	28	I	0	0
CERTIFICATE II	II	PUB	II	9	II	36	19	I	90	42	II	242	170	I	719	325
	II	PRI	II	9	II	0	0	I	152	0	II	0	0	I	1300	0
CERTIFICATE III	II	PUB	II	12	II	31	14	I	85	61	II	281	160	I	928	772
DIPLOMA	II	PUB	II	11	II	40	21	I	73	24	II	358	212	I	614	275
ASSOCIATE	II	PUB	II	18	II	44	18	I	86	3	II	657	265	I	1294	310
OPHTHALMIC DISPENSER																
(N= 5)																
ASSOCIATE	II	PUB	II	19	II	35	24	I	113	36	II	654	383	I	1938	481
OPTOMETRIC ASSISTANT/TECHNICIAN																
(N= 8)																
CERTIFICATE II	II	PUB	II	10	II	25	0	I	25	0	II	0	0	I	0	0
ASSOCIATE	II	PUB	II	21	II	35	1	I	83	1	II	534	23	I	1372	76
	II	PRI	II	18	II	130	0	I	130	0	II	1900	0	I	1900	0
ASSOCIATE (+CERT)	II	PUB	II	20	II	34	6	I	70	23	II	539	60	I	1255	473
	II	PRI	II	22	II	60	0	I	0	0	II	1200	0	I	0	0
PHYSICIAN ASSISTANT-PRIMARY CARE																
(N= 8)																
ASSOCIATE	II	PUB	II	21	II	27	26	I	53	57	II	622	434	I	1543	909
	II	PRI	II	20	II	140	58	I	181	0	II	2548	1624	I	3696	0
ASSOCIATE (+CERT)	II	PUB	II	24	II	82	10	I	144	11	II	1102	563	I	2591	579
PHYSICIAN ASSISTANT-SPECIALIST																
(N= 6)																
ASSOCIATE	II	PUB	II	20	II	57	29	I	102	15	II	680	433	I	1433	367
ASSOCIATE (+CERT)	II	PUB	II	21	II	56	0	I	98	0	II	744	0	I	1488	0

SECTION C
STUDENT COSTS IN ALLIED HEALTH PROGRAMS
AT 2-YR COLLEGES

PROGRAM AWARD LEVEL	CNT	DUR	TOTAL COST PER MONTH						TUITION		TOTAL COST					
			RESIDENT		N-RESIDENT				RESIDENT	N-RESIDENT	RESIDENT		N-RESIDENT			
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
RADIOLOGIC TECHNOLOGIST/TECHNICIAN (N=130)																
CERTIFICATE II	PUB	9	3	0	3	0	0	0	0	0	25	0	25			
CERTIFICATE III	PUB	12	2	0	25	0	0	0	280	0	23	0	303	0		
CERTIFICATE IV	PUB	24	21	21	C	0	640	0	0	0	510	502	0	0		
ASSOCIATE	PUB	25	37	25	81	49	658	510	1693	1049	890	606	1969	1060		
	PRI	24	107	27	123	7	2272	650	2687	280	2557	655	2954	171		
ASSOCIATE (+CERT)	PUB	26	28	18	70	47	519	355	1599	1118	713	441	1807	1202		
OCCUPATIONAL THERAPY ASSISTANT (N= 21)																
CERTIFICATE II	PUB	9	36	22	77	39	203	91	570	467	351	202	848	435		
CERTIFICATE III	PUB	12	74	0	96	0	540	0	810	0	885	0	1155	0		
DIPLOMA	PUB	10	48	0	95	0	280	0	750	0	480	0	950	0		
ASSOCIATE	PUB	19	48	58	82	74	397	163	1079	535	901	1038	1569	1318		
	PRI	20	200	22	216	0	3415	332	3650	0	3928	852	4530	0		
ASSOCIATE (+CERT)	PUB	22	44	27	107	82	858	322	2242	1389	976	489	2360	1556		
PHYSICAL THERAPY ASSISTANT (N= 30)																
CERTIFICATE I	PUB	5	2	0	22	0	4	0	112	0	11	0	112	0		
ASSOCIATE	PUB	20	39	17	83	41	571	277	1394	674	766	331	1644	779		
	PRI	17	142	51	199	0	2200	917	3200	0	2492	1006	3580	0		
ASSOCIATE (+CERT)	PRI	9	343	0	343	0	2880	0	2880	0	3090	0	3090	0		
RECREATIONAL THERAPY TECHNICIAN (N= 7)																
CERTIFICATE III	PUB	12	5	0	73	0	0	0	810	0	60	0	870	0		
ASSOCIATE	PUB	31	20	18	46	38	380	329	831	704	456	330	921	761		
COMMUNITY HEALTH WORKER (N= 10)																
ASSOCIATE	PUB	17	56	25	144	43	706	326	2360	730	530	366	2567	741		
	PRI	22	126	33	126	33	2413	682	2413	682	2737	558	2737	558		
ASSOCIATE (+CERT)	PUB	18	53	0	128	0	738	102	1598	0	963	4	2298	0		

FOOTNOTES

1. Allied Health Education Programs in Junior and Senior Colleges, 1973-1974: Guidance Edition; Bureau of Health Manpower, Health Resources Administration; Bethesda, Maryland.

2. Basic Student Charges, 1972-73 and 1973-74; National Center for Education Statistics; U.S. Department of Health, Education and Welfare; Washington, D.C.

3. Assuming the proportion of qualifying to non-qualifying questionnaires among those returned hold constant for non-responses, an estimated 1659 additional questionnaires of the total 2242 non-responses would have qualified for the study. With these additional responses, the total qualifying for the study would increase to 6712 (25%).

4. States within HEW assigned regions are as follows:

New England:

Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island and Vermont.

Mideast:

Delaware, District of Columbia, Maryland, New Jersey, New York and Pennsylvania.

Great Lakes:

Illinois, Indiana, Michigan, Ohio and Wisconsin.

Plains:

Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota and South Dakota.

Southeast:

Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia and West Virginia.

Southwest:

Arizona, New Mexico, Oklahoma and Texas.

Rocky Mountain:

Colorado, Idaho, Montana, Utah and Wyoming.

Farwest:

Alaska, California, Hawaii, Nevada, Oregon and Washington.

Outlying Areas:

Puerto Rico.

APPENDICES

APPENDIX A

ASAHP Glossary of Health
Occupation Titles

**1973 Inventory of Health Occupations Education Programs in
Two-Year and Four-Year Colleges and Universities**

MAJOR CATEGORY INCLUSIONS

- | | |
|--|--|
| 01 Administration, Planning, and Office | 42 Nuclear Medicine |
| 03 Biomedical Engineering | 43 Nursing-Related |
| 05 Clinical Laboratory Services | 46 Vision Care |
| 07 Dental Services | 49 Pharmacy Services |
| 10 Dietetic and Nutritional Services | 58 Physician Extender |
| 13 Emergency Services | 61 Podiatric Services |
| 16 Environmental Services | 67 Radiological Services |
| 19 Health Education | 70 Rehabilitation-Occupational |
| 22 Health-Related Teacher Preparation | 73 Rehabilitation-Physical |
| 25 Information and Communication | 76 Rehabilitation-Not Elsewhere Classified |
| 34 Medical Instrumentation and Machine Operation | 85 Social Services and Counseling |
| 37 Medical Record | 88 Speech and Hearing Services |
| 40 Mental Health | 91 Veterinary Services |
| | 95 Health Professionals Not Elsewhere Classified |

GLOSSARY OF OCCUPATIONAL TITLES

01 ADMINISTRATION, PLANNING, AND OFFICE personnel function at various levels to maintain and operate clinical offices and institutions and to plan for improved health care and delivery.

05 Health Economist: Applies specialized knowledge of the laws of supply and demand, marketing, polling, econometrics, and motivation research to permit the efficient delivery of health services.

10 Health Care Administrator: Occupies top-level positions in a variety of health care settings: hospitals, official health agencies, long-term care facilities, social service agencies, voluntary and tax paying health agencies, and public health agencies. Policy development, activity coordination, procedural development and planning are the primary functions of the position.

15 Health Care Assistant Administrator: Occupies middle management positions in a variety of clinical and health care settings: hospitals, public and private health agencies, long-term care facilities, social service agencies.

20 Health Planner: Works in state and areawide health planning agencies and related programs implementing community goals including planning and evaluating developmental policies.

25 Health Systems Analyst: Develops and applies the principles of industrial and systems engineering, operations research, and management to the design, evaluation, and implementation of improved health care.

36 Long-Term Care Administrator: Directs and coordinates all operations and activities of extended care facilities.

40 Medical/Dental Secretary: Assists physicians and/or dentists through the use of medical shorthand, typing, filing, accounting, appointment scheduling, receptionist duties, and office management.

45 Medical Office Assistant: Assumes responsibility for routine administrative, clerical, and record-keeping procedures in a physician's office, assists the physician in medical examinations and treatments, and cares for medical equipment and supplies.

50 Rehabilitation Administrator: Manages a rehabilitation agency's business aspects: Personnel, budget control, public relations work, training, programs planning, and services coordination.

55 Unit Clerk: Handles routine clerical and reception work in a floor nursing unit, receiving patients and visitors, scheduling appointments, and monitoring the location of all ward staff. (Ward Clerk)

03 BIOMEDICAL ENGINEERING personnel combine basic engineering and biomedical science in order to design, assemble, and adapt medical devices, instruments, and processes to improve the quality and cost in the delivery of medical health care.

05 Biomedical Engineer: Utilizes engineering ideas and techniques in the development of new instruments, equipment, processes, and systems for the medical care of patients and the improvement of health systems.

10 Biomedical Engineering Technician: Assembles, repairs, and adapts medical equipment to assist biomedical engineers, physicians, and scientists in the development and maintenance of medical equipment and systems for the delivery of medical and health care. (Biomedical Equipment Technician)

05 CLINICAL LABORATORY SERVICES personnel work in a clinical laboratory setting, collecting, mounting, processing, classifying and analyzing laboratory specimens.

05 Blood Bank Technologist: Medical technologist, working under the direction of a pathologist, physician, or laboratory director, prepared to collect, classify, store, and process blood, including preparation of components from whole blood, detection and identification of antibodies in patient and donor bloods, and selection and delivery of suitable blood for transfusion.

10 Chemistry Technologist: Works under the supervision of a pathologist, physician, or qualified scientist, in performing qualitative and quantitative chemical analyses of body fluids and exudates, utilizing quantitative equipment and a wide range of laboratory instruments, to provide information for diagnosing and treating diseases.

15 Cytotechnologist: Works under the supervision of a pathologist, physician or medical technologist, in handling, staining, mounting, and evaluating cells from the human body to determine cellular variations and abnormalities such as cancer and other physiologic changes.

20 Hematology Technologist: Works under the supervision of a hematologist, medical technologist, or laboratory director, in performing quantitative, qualitative, and coagulation tests on cellular and plasma components of blood for use in the diagnosis and treatment of disease.

25 Histologic Technician: Works under supervision of a pathologist, physician, or medical technologist in sectioning, staining, and mounting human or animal tissues and fluid for microscopic study by pathologists or other qualified individuals.

30 Medical Laboratory Assistant: Works under the direct supervision of a medical technologist, pathologist, physician, or qualified scientist, in performing laboratory procedures requiring basic technical skills and minimal independent judgement, in chemistry, hematology, and microbiology. (Certified Laboratory Assistant)

35 Medical Laboratory Scientist: Performs clinical analysis procedures and research in the medical clinical laboratories utilizing disciplines such as chemistry, biochemistry, bacteriology, and microbiology.

40 Medical Laboratory Technician: Works under the supervision of a medical technologist, pathologist, or physician, in performing more complex or specialized bacteriological, biological, and chemical tests, requiring limited independent judgement or correlation competency, to provide data for use in the diagnosis and evaluation of effective treatment of disease.

45 Medical Technologist: Performs a wide range of complex and specialized procedures in all general areas of the clinical laboratory, making independent and correlation judgement, and working in conjunction with pathologists, physicians, and qualified scientists. May supervise and/or teach laboratory personnel.

50 Microbiology Technologist: Works with a minimum of supervision by a pathologist, physician, or laboratory director, in performing many bacteriological, viral, parasitological, immunologic, and serologic procedures in a clinical laboratory setting.

55 Public Health Laboratory Scientist: Performs clinical laboratory procedures and research with specific public health focus or within a public health setting.

07 DENTAL SERVICES personnel render varieties of services to the dentist; they do general office work, laboratory work, and they assist the dentist at the chairside.

20 Dental Assistant: Assists dentist at the chairside in dental operatory, performs reception and clerical functions, and carries out dental radiography and selected dental laboratory work.

25 Dental Hygienist: Works under the supervision of dentist in providing services to dental patients such as performing complete oral prophylaxis, applying medication, performing dental radiography, and providing dental education services both at chairside patients and in community health projects.

30 Dental Technician: Prepared to construct complete and partial dentures, make orthodontic appliances, fix bridgework, crowns, and other dental restorations and appliances, as authorized by dentists. (Dental Laboratory Technician)

- 10 DIETETIC AND NUTRITIONAL SERVICES** personnel translate nutritional needs into the selection, purchasing, preparation, and service of appropriate foods; along with maintenance of equipment, sanitation, and cost control. They provide nutritional education to individuals and groups, and serve as nutritional consultants to health facilities and communities.

05 Dietetic Aide: Performs non-technical food preparation routines, as directed by a supervisor, serves meals to patients, and assists with food-related jobs in health care facilities.

10 Dietetic Technician: Functions as middle management and service personnel in the nutritional care of individuals in health care facilities, assisting with the planning, implementation, and evaluation of food programs, working with both the food service supervisor and the dietitian. (Food Service Manager, Food Service Assistant, Food Service Technician)

15 Dietitian: Applies the principles of nutrition and management in administering institutional food service programs, plans special diets at physician's requests, and instructs individuals and groups in the application of nutrition principles of the selection of food.

20 Dietitian/Nutritionist: Applies the principles of nutrition and management in administering institutional food service programs, instructs individuals and groups about nutritional requirements and food selection, and performs nutrition research.

25 Dietetic Assistant: Writes food menus following dietetic specifications, coordinates food service to patients, orders supplies, maintains sanitation, and oversees the work of food service employees in health care facilities. (Food Service Supervisor)

30 Nutritionist: Adapts and applies food and nutrient information to the solution of food problems, the control of disease, and the promotion of health, performs nutrition research, instructs groups and individuals about nutritional requirements, and helps people develop meal patterns to meet their nutritional needs.

- 13 EMERGENCY SERVICES** personnel administer temporary medical help by responding to, evaluating, and assisting in emergency conditions.

05 Ambulance Attendant: Provides first aid and assistance in the transportation of critically ill and injured persons to a medical facility.

10 Emergency and/or Disaster Specialist: Develops and implements hospital-wide procedures for dealing with in-house and community emergencies and disasters.

15 Emergency Medical Technician: Responds to medical emergency calls, evaluates the nature of the emergency, and carries out specified diagnostic and emergency treatment procedures under standing orders or the specific directions of a physician.

- 16 ENVIRONMENTAL SERVICES** personnel inspect, evaluate, and gather data for their use in the design, operation, and control of systems for prevention and elimination of environmental hazards.

05 Environmental Engineer: Applies engineering principles to the control, elimination, and prevention of environmental hazards such as air pollution, water pollution, solids pollution, and noise pollution. (Sanitary Engineer)

10 Environmental Engineering Assistant: Works with and assists the environmental engineer in his tasks of designing and controlling systems to eliminate and control environmental health hazards.

15 Environmental Health Technician: Assists in the survey of environmental hazards and performs technical duties under professional supervision in many areas of environmental health such as pollution control, radiation protection, and sanitation protection. (Sanitarian Technician)

20 Environmentalist: Plans, develops, and implements standards and systems to improve the quality of air, water, food, shelter, and other environmental factors, manages comprehensive environmental health programs, and promotes public awareness of the need to prevent and eliminate environmental health hazards. (Sanitarian)

25 Industrial Hygienist: Conducts programs in industry to measure, and help control, eliminate, and prevent occupational hazards and diseases.

30 Sanitarian Aide: Collects and measures environmental sanitation conditions and implements corrective action on health hazards for which specific guidelines exist.

- 19 HEALTH EDUCATION** personnel acquaint groups and individuals with the standards of optimum health and the principles of achieving and maintaining optimum health.

05 Community/Public Health Educator: Alerts community groups and individuals to changing patterns of health care, to health hazards, and to activities which will promote community health and safety.

10 School Health Educator: Teaches elementary, secondary, and college students principles of personal health sciences, total fitness, family living, consumer and environmental health, and community health trends and resources.

- 22 HEALTH-RELATED TEACHER PREPARATION** combines teaching skills and health expertise in preparing: (1) Instructors of individuals who are physically disabled, emotionally disturbed, or mentally retarded; and (2) Allied Health Professionals who desire to teach within their specialty area.

05 Allied Health Educator: Teaches the specialty in which he was trained to students being prepared in the discipline. May also supervise other individuals in his occupation.

10 Teacher of the Deaf: Adapts methods and curricula in the teaching of special skills, elementary, and secondary school subjects to deaf and hard-of-hearing pupils.

15 Teacher of the Emotionally Disturbed: Conducts educational programs for emotionally disturbed pupils.

20 Teacher of the Learning Disabled: Develops and implements educational programs to assist children in overcoming or compensating for learning disabilities such as aphasia, dyslexia, or other related problems.

25 Teacher of the Mentally Retarded: Develops and implements educational programs for trainable or educable mentally retarded persons according to the pupil's level of learning.

30 Teacher of the Physically Handicapped: Develops and implements academic and recreational programs for handicapped persons after evaluating the physical limitations, abilities, and needs of the individuals.

32 Teacher of Special Education-Not Elsewhere Classified: Develops and implements educational programs suited to the needs of students with physical disabilities, mental retardation, or emotional disturbances.

35 Teacher of the Visually Handicapped: Teaches academic and practical skills to the blind or visually handicapped through the use of braille and other specialized methods.

- 25 INFORMATION AND COMMUNICATION** personnel apply a communications orientation to the development, presentation, organization, and recording of medical facts and material for the benefit of medical personnel and the general public.

05 Health Writer: Specializes in the writing of health or medical materials.

10 Medical Communicator: Knows the properties and capabilities of communication media and applies this knowledge to the design and improvement of communication processes in the health field.

15 Medical Computer Specialist: Combines knowledge of computer science and health science to provide systems and programming support in the medical field.

20 Medical Illustrator: Demonstrates medical facts by the creation of illustrations, models, and teaching films; serves as a consultant, advisor, and administrator in the field of medical illustration.

25 Medical Librarian: Combines a degree in library science with specialized knowledge of medical librarianship and bibliography, to acquire, organize, catalog, retrieve, and disseminate medical information.

30 Medical Library Assistant: Combines training in library technology and health subjects to assist medical librarians in the process of acquiring, organizing, cataloging, retrieving, and disseminating medical information.

35 Medical Photographer: Visually presents medical facts by means of lantern slides, motion pictures, photographs of patients, reproduction of x-rays, and photomicrographs.

- 34 MEDICAL INSTRUMENTATION AND MACHINE OPERATION** personnel maintain and/or operate equipment and instruments which supplement and support body functions or which provide diagnostic or therapeutic services.

05 Cardiopulmonary Technician: Performs a wide range of tests related to the functions and therapeutic care of the heart-lung system, assists in cardiac catheterization and cardiac resuscitation, and assists in the post operative monitoring, care, and treatment of heart-lung patients.

10 Cardiovascular Technician: Monitors and records physiologic data in cardiac catheterization, performs specific tests during procedures and assists in patient care.

12 Circulation Technologist: Operates and designs heart-lung machines, dialysis machines, artificial organs, and similar circulation devices and monitoring instruments to provide circulatory support to patients.

15 Dialysis Technician: Operates and maintains an artificial kidney machine following approved methods and techniques to provide dialysis treatment for patients with kidney disorders or failures.

20 Electrocardiograph Technician: Operates and maintains electrocardiograph machines, records

electromotive variation in heart muscle action, and provides data for diagnosis and treatment of heart ailments by physicians.

25 Electroencephalographic/Electrocardiographic Technician: Operates and maintains both electroencephalographic and electrocardiographic machines.

30 Electroencephalographic Technician: Operates and maintains electroencephalographic machines, recording brain waves on a graph to be used by physicians in the diagnosis of brain disorders.

35 Electromyographic Technician: Assists physicians in recording and analyzing bioelectric potentials which originate in muscle tissue, including the operation of various electronic devices, maintenance of electronic equipment, assisting with patient care, and recordkeeping.

40 Respiratory Therapist: Administers respiratory care under the direction of a physician, evaluating the patient's progress, and making recommendations for respiratory therapy. His proficiencies include ventilatory therapy, cardio-respiratory rehabilitation, microenvironmental control, and diagnostic testing of the respiratory system. (Inhalation Therapist)

45 Respiratory Therapy Technician: Routinely treats patients requiring non-critical respiratory care, recognizes and responds to a limited number of specified patient respiratory emergencies.

37 MEDICAL RECORD personnel plan, organize and manage patient information systems and statistical reports for medical and administrative staff use and health care research.

05 Medical Record Administrator: Plans, designs, develops, and manages systems of patient information, administrative and clinical statistical data, and patient medical records, in all types of health care institutions.

10 Medical Record Technician: Serves as the skilled assistant to the medical record administrator, carrying out the technical work of coding, analyzing, and preserving patients' medical records, and compiling reports, disease indices, and statistics in health care institutions.

15 Medical Transcriptionist: Skilled in typing, medical spelling, medical terminology, and the proper format of medical records and reports; prepared to transcribe medical dictation using mechanical dictating equipment.

40 MENTAL HEALTH personnel assist the health professionals in the prevention and treatment of mental disorders through recreational, occupational, and educational programs.

05 Mental Health Associate/Technician/Assistant: Works under the supervision of professional personnel in supplementing physical care for persons with emotional problems through recreational, occupational, and readjustment activities, including participation in group therapy with clients and families; refers patients to community agencies, and visits patients after their release from an institution.

10 Mental Health Technologist: Works with other mental health professionals in diagnosing psychiatric disorders, counseling and planning treatment for the emotionally disturbed or mentally retarded.

15 Mental Retardation Aide: Works under the supervision of a professional staff in attending to the physical needs and well-being of mentally retarded patients and in assisting with teaching and recreation processes.

20 Psychiatric Aide: Works under the supervision of professional personnel in caring for mentally ill patients in a psychiatric medical care facility; assists in carrying out the prescribed treatment plan for the patient; maintains consistent attitudes in communicating with the patient in keeping with the treatment plan, and carries out assigned individual and group activities with patients.

42 NUCLEAR MEDICINE personnel prepare or use radioactive nuclides in laboratory procedures, scanning-imaging, and function studies for diagnostic, therapeutic, and research purposes.

05 Nuclear Medicine Technologist/Technician: Works under the supervision of a physician in administering and measuring radioactive nuclides in diagnostic and therapeutic applications utilizing a variety of techniques and equipment.

10 Radiopharmacist: Prepares, stores, handles, dilutes, and pharmaceutically formulates products labeled with radioactive nuclides and develops new radiopharmaceuticals.

43 NURSING-RELATED services personnel assist the physician in bedside patients care, and provide specialty services as required by institutional and community needs.

40 Nurse Aide: Performs tasks delegated or assigned by the professional nursing staff, including making beds, bathing patients, delivering messages, counting linens, and escorting patients to other departments in the hospital. (Nursing Assistant)

45 Nurse Anesthetist: Registered nurse prepared to work under an anesthesiologist or physician in administering anesthetic agents to patients before, and after surgical and obstetrical operations and other medical procedures.

50 Nurse-Midwife: Assumes responsibility for the care of apparently normal obstetrical patients during pregnancy, labor, delivery, and postnatal period.

55 Nurse Practitioner: Registered nurse prepared to carry out functions previously performed by the general practitioner or physician specialist; collaborates with other health professionals in planning and instituting programs for the delivery of primary, acute, or chronic care; provides direct care to clients by making independent decisions about nursing care needs.

60 Obstetrical Technician: Assists in the care of mothers in labor and delivery rooms before, during, and after delivery under supervision of professional personnel, including hygienic procedures, routine laboratory work, and sterilization of equipment and supplies.

65 Operating Room Technician: Works as general technical assistant on the surgical team by arranging supplies and instruments in the operating room, maintaining antiseptic conditions, preparing patients for surgery and assisting the surgeon during the operation.

70 Orderly: Assists the nursing staff in providing care for patients, performs the heavier work in the nursing unit, maintains equipment, and administers simple treatment. (Hospital Attendant; Nurse Attendant)

46 VISION CARE personnel work with or carry out the prescriptions of the ophthalmologist and optometrist. Their duties include ophthalmic examinations, treatment, and correction of ophthalmic disorders by physical or mechanical measures.

20 Ophthalmic Assistant/Technician: Assists the ophthalmologist in eye examinations and in the treatment of eye diseases and disorders.

25 Ophthalmic Dispenser: Adapts and fits corrective eyewear as prescribed by the ophthalmologist or optometrist.

30 Ophthalmic Laboratory Technician: Operates machines to grind lenses and fabricate eyewear to prescription.

35 Optometric Assistant/Technician: Assist an optometrist in diversified ways, including general office duties, vision testing patients, administering eye exercises, preparing and fitting corrective lenses, and styling eyewear.

40 Orthoptist: Works under supervision of an ophthalmologist in testing for certain eye muscle imbalances and teaching the patient exercises to correct eye-coordination defects.

49 PHARMACY SERVICES personnel assist the pharmacist with selected activities in pharmacy departments to provide pharmaceutical services to patients, nurses, and physicians.

20 Pharmacy Technician: Assists the pharmacist with selected activities including medication profile reviews for drug incompatibilities, typing prescription labels and prescription packaging, handling of purchase records, and inventory control.

58 PHYSICIAN EXTENDER personnel render direct and specific assistance to the physician specialist and general practitioner in clinical and research endeavors, taking medical histories, performing detailed physical examinations, and conducting visual, auditory, developmental, and laboratory tests.

05 Physician Assistant-Primary Care: Performs physician-delegated functions in the areas of general practice, including family medicine, internal medicine, pediatrics, obstetrics, and emergency medicine.

10 Physician Assistant-Specialist: Performs functions delegated by the clinical specialist in specific areas of patient care: urology, surgery, pathology, orthopedics, etc.

61 PODIATRIC SERVICES personnel work under the direct supervision of the podiatrist, performing supplementary duties for the foot specialist.

20 Podiatric Assistant: Supports the podiatrist in his service to patients by preparing patients for treatment, sterilizing the instruments, performing general office duties, and assisting the podiatrist in preparing dressings, administering treatments, and developing x-rays.

67 RADIOLOGICAL SERVICES personnel use ionizing radiation for diagnostic, therapeutic, and research purposes.

05 Medical Radiation Dosimetrist: Calculates radiation dosage in the treatment of malignant disease and plans the direction of radiation to its target in the safest way.

10 Radiation Therapy Technologist/Technician: Administers x-rays and electron beam equipment in order to treat disease in patients, and assists in preparing and handling radioactive materials for therapy purposes.

15 Radiologic Technologist/Technician: Maintains and safely uses equipment and supplies necessary to demonstrate portions of the human body on x-ray film or fluoroscopic screen for diagnostic purposes. May supervise and/or teach radiologic personnel (X-Ray Technician)

70 REHABILITATION-OCCUPATIONAL personnel use work-related skills in treating or training patients who are physically or mentally ill, in preventing disability, in evaluating behavior, and in restoring disabled persons to health and social or economic independence.

05 Manual Arts Therapist: Uses industrial arts, workshops, and agricultural activities to assist in the rehabilitation of patients.

10 Occupational Therapist: Evaluates the self care, work, and play/leisure time task performance skills of well and disabled clients of all age ranges; plans and implements programs, and social and inter-personal activities designed to restore, develop and/or maintain the client's ability to satisfactorily accomplish those daily living tasks required of his specific age and necessary to his particular occupational role adjustment.

15 Occupational Therapy Assistant: Works under the supervision of an occupational therapist in evaluating clients and planning and implementing programs, and is prepared to function independently when working directly with clients who require an occupational therapy program.

20 Rehabilitation Homemaking Specialist: Trains disabled homemakers to perform normal household activities in spite of their disability.

73 REHABILITATION-PHYSICAL personnel use physical agents, assistive devices and therapeutic exercise for the prevention of disease and disability, and toward restoration of function to disabled persons.

05 Corrective Therapist/Adapted Physical Education Director: Provides medically prescribed programs of therapeutic exercise to physically and mentally ill patients to prevent muscular deconditioning resulting from inactivity and to attain resocialization and specific psychiatric objectives.

10 Exercise Physiologist: Works with clinicians in hospitals with rehabilitation programs to provide exercise stress testing and cardiovascular rehabilitation for patients.

15 Orthotic/Prosthetic Assistant: Assists the orthotist/prosthetist in caring for patients by making casts, measurements, and model specifications and fitting supportive appliances and/or artificial limbs.

20 Orthotic/Prosthetic Technicians: Fabricates and repairs supportive appliances and/or artificial limbs under the guidance of the orthotist/prosthetist and his assistant.

25 Orthotist/Prosthetist: Writes specifications for and makes and fits braces and appliances and/or

artificial limbs following the prescription of physicians.

30 Physical Therapist: Uses physical agents, biomechanical, and neurophysiological principles, and assistive devices in relieving pain, restoring maximum function, and preventing disability following disease, injury, or loss of bodily part.

35 Physical Therapy Assistant: Assists the physical therapist by assembling equipment, carrying out specified treatment programs, and helping with complex treatment procedures. Other duties include responsibility for the personal care of patients, safety precautions, routine clerical and maintenance work.

76 REHABILITATION NOT ELSEWHERE CLASSIFIED personnel apply the principles of rehabilitation to diversified areas of therapeutic technique, such as education, fine arts, and recreation.

05 Art Therapist: Applies the principles and techniques of art to the rehabilitation of physically and mentally ill patients.

10 Dance Therapist: Applies the principles and techniques of dance to the rehabilitation of physically and mentally ill patients.

15 Educational Therapist: Instructs patients in academic and vocational subjects to further their medical recovery and prevent mental deconditioning.

20 Music Therapist: Uses individual and group musical activities with physically and mentally ill patients to accomplish therapeutic aims, to create an environment conducive to treatment, or to influence behavior.

25 Recreational Therapist: Plans, organizes, and directs medically approved recreation programs such as sports, trips, dramatics, arts and crafts, either to help clients in recovery from illness or in coping with temporary or permanent disability.

30 Recreational Therapy Technician: Assists the recreational therapist in conducting medically approved recreation programs such as sports, trips, dramatics, arts and crafts.

35 Rehabilitation Therapy Assistant: Prepared by a general orientation to various rehabilitation specialties, to assist the professional therapist in carrying out rehabilitation programs.

85 SOCIAL SERVICES AND COUNSELING personnel use individual or group counseling techniques or provide services offered by social agencies to assist individuals in personal and/or social adjustment.

05 Alcohol/Drug Abuse Specialist: Advises and assists people in their efforts to overcome personal, family, and social problems that are manifested in alcoholism and drug addiction.

10 Clinical Pastoral Counselor: Combines a knowledge of health and religion in counseling the confined ill and disabled.

15 Community Health Worker: Assists people in the community with medical, social, or mental health problems, in finding and utilizing sources of available help.

20 Genetic Assistant: Obtains complete genetic case histories from families of patients with inherited diseases and birth defects to be used in genetic counseling.

25 Genetic Counselor: Counsels clients as to the origin, transmission, and development of hereditary characteristics and their relations to birth abnormalities.

30 Homemaker/Home Health Aide: Assists with meals, shopping, household chores, bathing, and the other daily living needs, both physical and emotional of elderly, ill, or disabled persons, working under professional supervision required by the situation.

35 Medical Social Worker: Prepared to identify and understand the social and emotional factors underlying patients' illness and to communicate these factors to the health team; to assist patients and their families in understanding and accepting the treatment necessary to maximum medical benefits and their adjustment to permanent and temporary effects of illness; to utilize resources, such as family and community agencies, in assisting patients to recovery.

40 Psychiatric Social Worker: Serves as a liaison between the psychiatrist, patient, and patient's family, to provide counseling and emotional support to the patient, and to contribute to the evaluation and diagnosis of mental disorders as a member of the psychiatric team.

42 Rehabilitation Counselor: Helps disabled individuals become aware of and secure rehabilitation services designed to fit the disabled person for gainful employment, assists in job placement and checks on job satisfaction after employment.

43 Rehabilitation Counselor Aide: Aides the rehabilitation counselor in developing and implementing a rehabilitation plan for an individual, under supervision, he may conduct client interviews, locate and file data about employment opportunities, match clients with jobs available, and locate additional individuals in need of counseling or rehabilitation services.

45 School Health Aide: Assists the physician nurse with physical examinations and programs to improve or maintain students health.

88 SPEECH AND HEARING SERVICES personnel evaluate, record, habilitate, and research speech and hearing disorders in children and adults.

05 Audiologist: Evaluates hearing function and performs research related to hearing; plans, directs and conducts habilitative programs designed to improve the communication efficiency of individuals with impaired hearing.

10 Speech/Hearing Therapy Aide: Assists in testing, evaluating, and treating the problems of people with speech and hearing difficulties.

15 Speech Pathologist: Evaluates, habilitates, and performs research related to speech and language problems; plans, directs, and conducts remedial programs designed to restore or improve communication efficiency of individuals with language and speech impairments, whether arising from physiological neurological disturbances, defective articulation, or foreign dialect in children or adults.

20 Speech Pathologist/Audiologist: Evaluates and habilitates hearing, speech, and language disorder such as neurological disturbances, defective articulation, or foreign dialect in children or adults.

91 VETERINARY SERVICES personnel work with the care, use, production, and husbandry of animals in a medical setting.

20 Laboratory Animal Specialist: Manages the husbandry, production, and use of laboratory animals including responsibility for the sanitation, caging, safety, and nutrition of animals and the business management of the animal laboratory.

25 Laboratory Animal Worker: Cares for the health of laboratory animals used in research by feeding the animals, cleaning cages, preparing the animals for experiments, administering medications, and keeping records on laboratory procedures.

95 HEALTH PROFESSIONALS NOT ELSEWHERE CLASSIFIED

05 Biostatistician: Uses statistical theory, techniques, and methods to determine useful measurements or meaningful relationships of information relating to health or disease.

10 Epidemiologist: Concerned with determining the distribution and causal factors of health problems, encompassing areas such as acute and chronic illness, communicable diseases, behavioral disorders, alcoholism, and drug abuse.

15 Health Physicist: Directs research, training, and monitoring programs to protect hospital patients and laboratory personnel from radiation hazards, inspects and evaluates standards and decontamination procedures and develops new methods to safeguard man and his environment against unnecessary radiation exposure.

20 Health Physics Technician: Monitors radiation levels, gives instructions in radiation safety, labels radioactive materials, and assists the health physicist in conducting experimental studies in radiation.

25 Population and Family Planning Specialist: Uses

demography, demographic techniques, and reproductive physiology to plan, conduct, and evaluate family planning programs.

30 Public Health Practitioner--Not Elsewhere Classified: Professional trained to work in a public health capacity not specifically defined elsewhere in this GLOSSARY.

35 Toxicologist: Concerned with the nature and extent of the injurious response to the ingestion of chemical compounds, and the determination of safe levels of exposure or ingestion in man and other species.

APPENDIX B

ASAHP 1973 Inventory of
Health Occupations Education
Programs in Two-year and
Four-year Colleges and
Universities

PUBLIC HEALTH SERVICE
HEALTH RESOURCES ADMINISTRATION
BUREAU OF HEALTH RESOURCES DEVELOPMENT
DIVISION OF MANPOWER INTELLIGENCE
IN COLLABORATION WITH THEASSOCIATION OF SCHOOLS OF ALLIED HEALTH PROFESSIONS
1973 INVENTORY OF HEALTH OCCUPATIONS EDUCATION PROGRAMS
IN TWO-YEAR AND FOUR-YEAR COLLEGES AND UNIVERSITIES
QUESTIONNAIRE II

SECTION A - INSTITUTION IDENTIFICATION

1. Responding Institution

OFFICIAL USE ONLY

INSTITUTION NAME

CITY

STATE

ZIP

2. What type of institution is represented by this response? (Check the ONE which best describes the location of your program)

CARD 01

- (14-1) ☐ MAIN CAMPUS OF A MULTI-CAMPUS INSTITUTION
(14-2) ☐ BRANCH CAMPUS OF A MULTI-CAMPUS INSTITUTION
(14-3) ☐ PEER CAMPUS OF A MULTI-CAMPUS INSTITUTION (Equal status campuses with central administration but no defined "Main Campus")
(14-4) ☐ COLLEGE/UNIVERSITY WITH NO BRANCH CAMPUSES
(14-5) ☐ MEDICAL CENTER/HOSPITAL ADMINISTRATIVELY LOCATED WITHIN COLLEGE/UNIVERSITY
(14-6) ☐ MEDICAL CENTER/HOSPITAL ADMINISTRATIVELY UNRELATED TO COLLEGE/UNIVERSITY

SECTION B - PROGRAM IDENTIFICATION

3. From the enclosed GLOSSARY OF OCCUPATIONAL TITLES, indicate in the boxes below the TWO-DIGIT number of the major category into which your program falls.

(15-16)

MAJOR CATEGORY

4. From the occupational titles listed under the major categories of the GLOSSARY, indicate in the boxes below the TWO-DIGIT code number of the occupation which most closely resembles that for which your students are prepared.

(19-20)

OCCUPATIONAL TITLE

If nothing in the GLOSSARY approximates the occupational title for which your students are being prepared, indicate the occupational title which describes your training efforts.

If you have indicated that no occupational title in the GLOSSARY approximates that for which your students are being prepared, provide a description of the duties commonly associated with this occupational title.

If your program's occupational title was not listed in the GLOSSARY, please send any materials you have to further describe your program, i.e., catalog, brochure, etc., when returning the questionnaire.

5. By what title is this program known at your institution?

(23-72)

OFFICIAL USE ONLY

6. Complete all lines necessary to identify the specific academic organizational unit in which this program is located.

UNIVERSITY

CARD 02

COLLEGE

(14-43)

SCHOOL

CARD 03

(44-73)

DIVISION

(14-43)

DEPARTMENT

(44-73)

SECTION C - PROGRAM CHARACTERISTICS

7. Indicate the type of program you are reporting. **[CHECK ONLY ONE.]**

CARD 04

(14-1)

☐

BASIC OCCUPATIONAL PREPARATION: Program design to provide students with the knowledge and skills needed to work in a specific occupation at the entry level of that occupation. Admission to program does not require previous formal training in the occupation but may build on previous informal training or practical experience. Typically, this type of program grants the "first professional" degree, leads to certification or licensure, or prepares the student for an entry-level job. The program may be academic at the undergraduate level or may be non-academic.

(14-2)

☐

ADVANCED EDUCATION OR TRAINING: Program designed to provide health workers with formal education or training beyond that which is offered as "Basic Occupational Preparation," AND which confers additional academic credit or professional recognition in a specific discipline or occupation. This type of program includes **SPECIALTY TRAINING** which qualifies the individual in a recognized specialty of his discipline, for which there are specific educational requirements beyond "Basic Occupational Preparation."

(14-3)

☐

CONTINUING EDUCATION: Program of educational activities designed to maintain a health worker's proficiency in his occupation. Continuing education up-dates "Basic Occupational Preparation," or "Advanced Education."

(14-4)

☐

TEACHER TRAINING: Program which provides individuals **ALREADY TRAINED** in a health profession with competency as teachers or as educational program managers. Teacher training may include some elements which are advanced education or training, but it is never limited to this.

8. Within this program may a student elect a specialization?

Specialization is an area of concentration within a program that develops a particular expertise and distinguishes one group of workers from others trained in the same program, e.g., some institutions offer degree programs in radiologic technology with specializations in medical radiography, nuclear medicine, or radiation therapy.

NOTE: If you consider a specialization to be a separate program (see definition of "program" found in the Instructions), report it on a separate questionnaire.

(15-1)

☐

NO SPECIALIZATION OFFERED

☐

SPECIALIZATION IS OFFERED, (Specify below)

(16-30)

(31-45)

(46-60)

(61-75)

OFFICIAL USE ONLY

9. Indicate the MINIMUM PREVIOUS education REQUIRED for entry into this program.

NOTE: If it seems appropriate for you to check more than one, you may be reporting more than one program on this form. Please re-examine the definition of "program" found in the INSTRUCTIONS.)

CARD 05

(14-21)

(01)

☐

NONE

(07)

☐

ASSOCIATE DEGREE

(02)

☐

SOME HIGH SCHOOL (Specify Minimum Grade)

(08)

☐

3 YEARS COLLEGE

(03)

☐

HIGH SCHOOL DIPLOMA OR CERTIFICATE OF HIGH SCHOOL EQUIVALENCY

(09)

☐

4 YEARS COLLEGE (without Degree)

(04)

☐

LESS THAN 2 YEARS COLLEGE

(10)

☐

BACHELOR'S DEGREE

(05)

☐

2 YEARS COLLEGE (without Degree)

(11)

☐

MASTER'S DEGREE

(06)

☐

REGISTERED NURSE PREPARATION

(12)

☐

DOCTORAL DEGREE

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☐☐

OTHER (Please Specify)

(22-23)

CHECK AS MANY AS APPLY.

- SPECIFIC HEALTH TRAINING:**

- (12) ☐ BASIC PREPARATION IN OCCUPATION OR DISCIPLINE FOR WHICH THIS IS AN ADVANCED COURSE
- (13) ☐ NURSING, R.N.
- (14) ☐ OTHER SPECIFIC HEALTH TRAINING
- (15) ☐ REQUIRED BACKGROUND NOT ELSEWHERE CLASSIFIED.

(Specify)

Check ONLY ONE! (NOTE: If it seems appropriate for you to check more than one, you may be reporting more than one program on this form. Please re-examine the definition of "program" found in the INSTRUCTIONS.)

SPECIFIC AWARD CONFERRED

- (54-55)
- | | LEVEL OF EXPERIENCE |
|------|---|
| (01) | ☐ OCC/VOC CERTIFICATE I (<i>Less than 6 months</i>) |
| (02) | ☐ OCC/VOC CERTIFICATE II (<i>6 but less than 12 months</i>) |
| (03) | ☐ OCC/VOC CERTIFICATE III (<i>12 but less than 24 months</i>) |
| (04) | ☐ OCC/VOC CERTIFICATE IV (<i>24-36 months</i>) |
| (05) | ☐ DIPLOMA |
| (06) | ☐ ASSOCIATE DEGREE |
| (07) | ☐ ASSOCIATE DEGREE + CERTIFICATE |
| (08) | ☐ BACHELOR'S DEGREE |
| (09) | ☐ BACHELOR'S DEGREE + CERTIFICATE |
| (10) | ☐ COLLEGIATE CERTIFICATE ONLY (<i>Training at or beyond baccalaureate level</i>) |
| (11) | ☐ MASTER'S DEGREE |
| (12) | ☐ MASTER'S DEGREE + CERTIFICATE |
| (13) | ☐ CERTIFICATE OF ADVANCED STANDING (<i>Training beyond master's degree level but not at doctoral degree level</i>) |
| (14) | ☐ DOCTORAL DEGREE |
| (15) | ☐ CONTINUING EDUCATION CERTIFICATE |

[illegible]

56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71

(04) ☐ 2ND (OR SOPHOMORE)

(05) ☐ 3RD (OR JUNIOR)

(06) ☐ 4TH (OR SENIOR)

(07) ☐ 5TH (PRE-BACCALAUREATE CLINICAL YEAR)

MONTHS

(20-21)

14. Check the credit hour system at your institution.

(22-1) ☐ SEMESTER

(22-2) ☐ QUARTER

(22-3) ☐ TRIMESTER

☐ OTHER (Please specify and explain if necessary.)

15. List the CREDIT HOUR distribution for the following departmental (program) and institutional requirements.

For programs which do NOT offer academic credit, please indicate the CLOCK hours required.

For programs which offer a range of possible credit hours combinations and tracks, please indicate either the number of credit OR the clock hours which represents a TYPICAL program.

	Credit Hours (23-1)	Clock Hours (23-2)	
			<i>Complete only if this program offers NO academic credit.</i>
A. (24-27)	☐	☐	Of the total credit (or clock) hours required for completion of this program (including university requirements, electives, departmental requirements, etc.) how many hours are needed to fulfill departmental requirements STRUCTURED SOLELY FOR STUDENTS IN THIS PROGRAM?
(28-31)			Of the departmental requirements indicated in Line "A" above, how many hours are needed in the following areas:
(32-35)			1) Classroom study (NOT associated with clinical training or field experience.)
(36-39)			2) Class laboratory study (NOT associated with clinical training or field experience.)
(40-43)			3) Clinical training and/or supervised field experience, including student teaching experience, if applicable. (FOR THE PURPOSES OF THIS INVENTORY, THIS TRAINING CONSISTS OF ACTUAL OR SIMULATED WORK RELATED EXPERIENCES, WHICH MAY OR MAY NOT BE ACCOMPANIED BY SPECIALLY STRUCTURED LABORATORY OR DIDACTIC SESSIONS.)
(44-47)			4) Special project hours.
			5) Thesis or dissertation hours (If your program offers a thesis and non-thesis option, please enter the hours as though the thesis option only were being reported and then check "Thesis or dissertation is optional.")
			☐ Thesis or dissertation is optional.
			The total of 1), 2), 3), 4), and 5) should equal Section "A". If not, please explain:
B. (48-51)	☐	☐	Of the total credit (or clock) hours required for completion of this program, how many hours are needed for departmental electives (or departmental requirements NOT structured solely for health students.)? Do NOT duplicate credit or clock hours reported in Section C., below.
C. (52-55)	☐	☐	Of the total credit (or clock) hours required for completion of this program, how many hours are needed to complete courses required of all students in the institution whether or not they are enrolled in this program (sometimes called General Education Requirements)? Do NOT duplicate credit or clock hours reported in Section B., above.
D. (56-59)	☐	☐	In order for a student to complete this program, and receive the award specified in Item 11, Page 3, of this form, how many hours must be earned from all sources? (Total of A + B + C)

16. Is your program affiliated with one or more schools, agencies, hospitals, etc., for the purpose of providing some portion of the clinical training and/or supervised field experience required by your institution?

(61-1) ☐ YES ANSWER ITEMS 17 - 19

(61-2) ☐ NO PROCEED TO ITEM 20

17. If your answer to Item 16 was "Yes", please complete the following chart regarding your affiliated institution.

INSTITUTION TYPE		NUMBER OF AFFILIATED INSTITUTIONS			NUMBER OF SPACES FOR YOUR STUDENTS	
		No. Located Within Your School's Administrative Structure	No. Located Outside Your School's Administrative Structure	No. Having Written Affiliation Agreements With Your Institution	No. of Guaranteed Spaces Reserved for Your Students	No. of Spaces Usually Available to Your Students but not Guaranteed
		(1)	(2)	(3)	(4)	(5)
CARDS 07-10	(01) HOSPITAL (Private, Gov't Supported, etc.)	_____	_____	_____	_____	_____
	(02) FACILITY FOR MENTALLY RETARDED, PHYSICALLY HANDICAPPED, EMOTIONALLY DISTURBED	_____	_____	_____	_____	_____
	(03) OUT-PATIENT CLINIC	_____	_____	_____	_____	_____
	(04) NURSING HOME/EXTENDED CARE FACILITY	_____	_____	_____	_____	_____
	(05) SOCIAL SERVICE AGENCY	_____	_____	_____	_____	_____
	(06) MEDICAL CENTER (University)	_____	_____	_____	_____	_____
	(07) LABORATORY	_____	_____	_____	_____	_____
	(08) PRACTITIONER'S OFFICE	_____	_____	_____	_____	_____
	(09) STATE/LOCAL HEALTH DEPARTMENT	_____	_____	_____	_____	_____
	(10) VOLUNTARY AGENCY (i.e., Heart Fund, Cancer Society)	_____	_____	_____	_____	_____
	(11) CORRECTIONS INSTITUTION	_____	_____	_____	_____	_____
	(12) COMPREHENSIVE HEALTH PLANNING AGENCY	_____	_____	_____	_____	_____
	(13) DAY CARE CENTER	_____	_____	_____	_____	_____
	(14) ELEMENTARY/SECONDARY SCHOOL	_____	_____	_____	_____	_____
	(15) INSURANCE OFFICE	_____	_____	_____	_____	_____
	(16) OTHERS (Please Specify)	_____	_____	_____	_____	_____

18. Who arranges for a student to attend an affiliated institution? **CHECK ONLY ONE**

- CARD 11
- (14-1) ☐ FACILITY MEMBER FROM YOUR INSTITUTION.
- (14-2) ☐ STUDENT HIMSELF.
- (14-3) ☐ BOTH OF THE ABOVE SITUATIONS EXIST WITHIN THIS PROGRAM.
- (14-4) ☐ COOPERATIVE ARRANGEMENT AMONG FACULTY MEMBER, STUDENT, AND AFFILIATE.
- (14-5) ☐ OTHER. (Please Specify).

19. Does any member of an affiliate institution OUTSIDE your school's administrative structure (as reported in Column (2), Item 17), who is concerned with the instruction or supervision of your students, have an appointment on your faculty?

- (15-1) ☐ YES (15-2) ☐ NO
- If "Yes," how many of those institutions listed in Column (2), Item 17, have a member of their staff on your faculty?
- (16-17)

20. For the credit or clock hours of courses listed in Section A of Item 15, please indicate the number of faculty by the approximate percentage of their time spent teaching and/or supervising students in this program. Include those who teach and/or supervise students in the clinical or the didactic portions of the program, or in both, regardless of the faculty member's full-time departmental appointment. Do NOT include time spent by faculty members' supervision of special projects, theses, or dissertations.

NUMBER OF FACULTY WITHIN PERCENTAGE OF TEACHING AND/OR SUPERVISING TIME

100%	80% but less than 100%	60% but less than 80%	40% but less than 60%	20% but less than 40%	less than 20%
(18)	(20)	(22)	(24)	(26)	(28)

(30-32) Of the total faculty above, how many Full-Time Equivalent faculty teach in this program?

21. Is this program accredited or approved by a national agency or national health professional association? (Exclude general accreditation of institution as a whole or budgetary approvals by funding agencies.)

Accreditation/Approval: The process by which an agency or organization evaluates and recognizes a program of study as meeting certain predetermined qualifications or standards. For this survey, only national agencies or organizations will be reported.

- (33-1) ☐ PROGRAM IS ACCREDITED/APPROVED **PROCEED TO ITEM 22**
- (33-2) ☐ PROGRAM ACCREDITATION/APPROVAL IS IN PROCESS **PROCEED TO ITEM 22**
- (33-3) ☐ CLINICAL PORTION OF PROGRAM IS ACCREDITED/APPROVED OR APPROVAL IS IN PROCESS; ACADEMIC PORTION IS NOT APPROVED **PROCEED TO ITEM 22**
- (33-4) ☐ PROGRAM ACCREDITATION/APPROVAL PROCESS EXISTS FOR THIS TYPE PROGRAM BUT IS NOT BEING SOUGHT. **PROCEED TO ITEM 23**
- (33-5) ☐ PROGRAM TOO NEW TO SEEK ACCREDITATION/APPROVAL. **PROCEED TO ITEM 23**
- (33-6) ☐ NO ACCREDITATION/APPROVAL PROCESS EXISTS FOR THIS TYPE PROGRAM. **PROCEED TO ITEM 23**

22. If this program or its principal clinical affiliate is accredited/approved, please check at the left the agency(ies) by which the program is accredited/approved, and supply the information in the Columns to the right of the respective agency(ies), using the codes indicated in Columns (B) and (C).

ACCREDITING/APPROVING AGENCIES		Year Program Last Accredited (A)	Status of Accreditation/Approval 1 = Full 2 = Conditional/Provisional 3 = In Process (B)	Portion of Program Accredited/Approved 1 = Academic Only 2 = Clinical Only 3 = Total Program (C)
(34-75)	(01) ☐ Accrediting Commission of Graduate Education for Hospital Administration	_____	_____	_____
	(02) ☐ American Academy of Pediatrics	_____	_____	_____
	(03) ☐ American Association of Clinical Pastoral Education	_____	_____	_____
	(04) ☐ American Association of Medical Assistants	_____	_____	_____
	(05) ☐ American Association of Nurse Anesthetists	_____	_____	_____
	(06) ☐ American Association of Pastoral Counselors	_____	_____	_____
	(07) ☐ American College of Nurse Midwives	_____	_____	_____
	(08) ☐ American Corrective Therapy Association	_____	_____	_____
	(09) ☐ American Council on Pharmaceutical Education	_____	_____	_____
	(10) ☐ American Dental Association, Council on Dental Education	_____	_____	_____
	(11) ☐ American Dietetic Association	_____	_____	_____
	☐ American Medical Association, Council on Medical Education, in collaboration with	_____	_____	_____
	(13) ☐ (Write in Collaborating Organization) American Medical Technologists	_____	_____	_____
	(14) ☐ American Optometric Association	_____	_____	_____
	(15) ☐ American Public Health Association	_____	_____	_____
	(16) ☐ Association for the Education of the Visually Handicapped	_____	_____	_____
	(17) ☐ Association of Medical Illustrators	_____	_____	_____
	(18) ☐ Association of Medical Rehabilitation Directors and Coordinators, Inc.	_____	_____	_____
	(19) ☐ Conference of Executives of American Schools of the Deaf	_____	_____	_____
	(20) ☐ Engineers Council for Professional Development	_____	_____	_____
	(21) ☐ International Society of Clinical Laboratory Technologists	_____	_____	_____
	(22) ☐ Medical Library Association	_____	_____	_____
	(23) ☐ National Association for Music Therapy	_____	_____	_____
	(24) ☐ National Council for the Accreditation of Teacher Education	_____	_____	_____
	(25) ☐ National Environmental Health Association	_____	_____	_____
	☐ Other. (Please specify)	_____	_____	_____

SECTION D - PROGRAM ENROLLMENT AND CAPACITY

23. How many students were enrolled in this program as of October 15, 1973? Exclude students in correspondence courses, auditors, or students at branch campuses in foreign countries.

	STUDENT YEAR	FULL-TIME			PART-TIME		
		Total	Male	Female	Total	Male	Female
CARD 12	1st (or Freshman)	_____	_____	_____	_____	_____	_____
	2nd (or Sophomore)	_____	_____	_____	_____	_____	_____
	3rd (or Junior)	_____	_____	_____	_____	_____	_____
CARD 13	4th (or Senior)	_____	_____	_____	_____	_____	_____
	5th (Pre-baccalaureate, post-baccalaureate, or 1st Master's year)	_____	_____	_____	_____	_____	_____
	6th	_____	_____	_____	_____	_____	_____
CARD 14	7th	_____	_____	_____	_____	_____	_____
	8th	_____	_____	_____	_____	_____	_____
	Total	_____	_____	_____	_____	_____	_____

If this does not reflect normal program enrollment, please explain. _____

24. Indicate the racial/ethnic distribution of all students, full-time and part-time, enrolled in this program as of October 15, 1973. Report each student in the racial/ethnic group with which the student most closely identifies. Each student should be reported in only ONE group.

	RACIAL/ETHNIC GROUP	TOTAL	MALE	FEMALE
CARD 15	BLACK/AFRO AMERICAN	_____	_____	_____
	WHITE	_____	_____	_____
	ORIENTAL/ASIAN	_____	_____	_____
	AMERICAN INDIAN	_____	_____	_____
	SPANISH SURNAME OR SPANISH SPEAKING (Puerto Rican, Latin American, Cuban, Mexican American, Chicano)	_____	_____	_____
	OTHER, i.e., Filipino, Aleut, Eskimo, etc. (Specify) _____	_____	_____	_____
CARD 16	TOTAL	_____	_____	_____

How many of the above students are foreign students (not U.S. citizens)?

25. For any given entering class in this program, estimate the percentage of students who will complete the program requirements and receive the award conferred.

(54-56) %

26. How many students could complete this program in the 1973-74 school year with present curriculum and standards, using presently available facilities and resources, IF FULL ENROLLMENT WERE ATTAINED? (If clinical training or supervised field experience is required, do not include more students than can be accommodated for this training within one year.)

(57-59) MAXIMUM GRADUATES

27. In what calendar year did this program first accept students?

(60-61) (01) ☐ Prior to 1940 (04) ☐ 1951-55 (07) ☐ 1962 (10) ☐ 1965 (13) ☐ 1968 (16) ☐ 1971
 (02) ☐ 1940-45 (05) ☐ 1956-60 (08) ☐ 1963 (11) ☐ 1966 (14) ☐ 1969 (17) ☐ 1972
 (03) ☐ 1946-50 (06) ☐ 1961 (09) ☐ 1964 (12) ☐ 1967 (15) ☐ 1970 (18) ☐ 1973

28. Is this program offered on a regular basis? (A program offered on a regular basis has a definite and periodic schedule for matriculation of students.)

(62-1) ☐ YES (62-2) ☐ NO (01) ☐ ONE (04) ☐ FOUR (07) ☐ SEVEN (10) ☐ TEN
 (63-64) If "Yes," how many entering classes are accepted each year? ☐ (02) ☐ TWO (05) ☐ FIVE (08) ☐ EIGHT (11) ☐ More than ten (specify number) _____
 (03) ☐ THREE (06) ☐ SIX (09) ☐ NINE

29. How many students graduated or otherwise successfully completed this program in each school year, 1965-73? (If more than one class per year completed the program, please combine the number of graduates for each year.)

CARD 17

(14-17) ☐ 1965-66
 (18-21) ☐ 1966-67
 (22-25) ☐ 1967-68
 (26-29) ☐ 1968-69
 (30-33) ☐ 1969-70
 (34-37) ☐ 1970-71
 (38-41) ☐ 1971-72
 (42-45) ☐ 1972-73

30. Estimate the number of students who are expected to complete this program successfully in the next three school years (if more than one class per year is expected to complete the program, please combine the number of graduates for each year.)

(46-49) ☐ 1973-74
 (50-53) ☐ 1974-75
 (54-57) ☐ 1975-76

31. Are you now implementing or planning to implement within the next 2 years a significant change in this program's enrollment?

(58-1) ☐ NO CHANGE IS PLANNED ☐ PROCEED TO ITEM 32
 (58-2) ☐ YES, PROGRAM IS BEING EXPANDED ☐ PROCEED TO ITEM 33
 (58-3) ☐ YES, PROGRAM IS BEING CURTAILED ☐ PROCEED TO ITEM 32
 (58-4) ☐ YES, PROGRAM IS BEING PHASED OUT. DATE OF FINAL ENTERING CLASS _____ ☐ PROCEED TO ITEM 32
 OFFICIAL USE ONLY ☐
 (59-60)

32. If this program is not expanding, what reasons prevent or make unwise the expansion of this program? Please indicate the degree of constraint beside each reason.

CARD 18

(14-1) ☐ Program's present enrollment is satisfactory. ☐ PROCEED TO ITEM 33

REASON FOR CONSTRAINT		NO CONSTRAINTS	MODERATE CONSTRAINTS	SEVERE CONSTRAINTS
(15-17)	Limited employment opportunities for graduates in this specialty.	_____	_____	_____
	Insufficient applications from interested students; difficult to recruit additional students.	_____	_____	_____
	Limited operating funds (insufficient funds for additional faculty, other staff, equipment, etc.)	_____	_____	_____
	Unable to recruit qualified faculty to fill vacancies, when funds are available.	_____	_____	_____
	Insufficient or unsuitable physical facilities for didactic instruction.	_____	_____	_____
	Inadequate or insufficient clinical training facilities.	_____	_____	_____
	Insufficient financial aid for students.	_____	_____	_____
	Limited by accrediting association.	_____	_____	_____
(39-41)	Other. (Specify) _____	_____	_____	_____

SECTION E - GUIDANCE INFORMATION

33. Please check the entrance requirements for your institution or your program. (Do NOT include tests advised or required for guidance or placement purposes.)

(42-1) ☐ INSTITUTION HAS OPEN ADMISSIONS POLICY.

(43-1) ☐ PROGRAM HAS OPEN ADMISSIONS POLICY.

ENTRANCE REQUIREMENTS:

REQUIRED BY
INSTITUTION

REQUIRED BY
PROGRAM

(44-45) Scholastic Aptitude Test (CEEB Series)

Writing Sample (CEEB Series)

Achievement Tests (CEEB Series)

American College Testing Program Examination (ACT)

Graduate Record Examination - Aptitude Test

Graduate Record Examination - Advanced Test

(Please specify) _____

Miller Analogy

Standardized National Examination - Not Elsewhere Classified

(Please specify) _____

Institution - designed Examination

Personal Interview

Grade Point Average on a 4 point system (Specify _____)

Biographical Material

Audition

Portfolio

Preference/Interest Tests

(74-75) Other (Please specify) _____

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(76-78) ☐

34. For four-year colleges and universities only, does your institution accept credits earned by students in a two-year college?

CARD19

(14-1) ☐ YES

(14-2) ☐ NO

COMMENT? _____

35. How many completed applications were received for this program's most recent entering class?

(15-18) ☐ NUMBER OF APPLICANTS

36. For your program, do you maintain a waiting list of qualified students who were not admitted at their first application?

(19-1) ☐ YES

(19-2) ☐ NO

If "Yes," how long is a student's name maintained on the list?

MONTHS

OFFICIAL USE ONLY

(20-23)

☐

37. What is the cost to students to complete the entire program, excluding room and board? (From time of matriculation for GRADUATE programs, Off time of entry shown in Item 12, Page 3 of form, for UNDERGRADUATE programs.)

	RESIDENT	NON-RESIDENT
TUITION (or similar fee)	(24-28) _____	(29-33) _____
BOOKS	(34-37) _____	(38-41) _____
LAB FEES	(42-44) _____	(45-47) _____
UNIFORMS	(48-50) _____	(51-53) _____
OTHERS	(54-57) _____	(59-61) _____
TOTAL	(62-66) _____	(67-71) _____

38. Check the types of financial aid available to students in your program.

CARD 20 (14-43) (01) ☐ GENERAL INSTITUTIONAL SCHOLARSHIPS (02) ☐ SPECIFIC PROGRAM SCHOLARSHIPS (03) ☐ FEDERALLY INSURED LOANS (04) ☐ FEDERAL GOVERNMENT SCHOLARSHIPS (05) ☐ FEDERAL GOVERNMENT LOANS (06) ☐ STATE GOVERNMENT SCHOLARSHIPS (07) ☐ STATE GOVERNMENT LOANS (08) ☐ WORK/STUDY PROGRAMS (09) ☐ TRAINEESHIPS	(10) ☐ SALARIES PAID BY INSTITUTION OR CLINICAL AFFILIATE (11) ☐ STIPENDS (12) ☐ G. I. BILL (13) ☐ FELLOWSHIPS (14) ☐ ASSISTANTSHIPS (15) ☐ OTHERS. (Specify) _____
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39. Please estimate the percentage of your program's students who work at the same time as they are enrolled in the program, in order to provide at least part of their support.

(44-46) %

40. Do you assist your students in finding employment upon completion of this program?

(47-1) ☐ YES (47-2) ☐ NO

If "Yes", check below the type(s) of assistance given.

Formal (Placement office, etc.)

Informal (Faculty Contacts, etc.)

BEFORE
GRADUATION

AFTER
GRADUATION

(48-49) ☐

☐

(50-51) ☐

☐

41. Please list the name and title of the Program Director or other person who can be contacted for further information about this program.

NAME	TELEPHONE (Area Code, Number, Ext.)
TITLE	

42. Respondent to this survey form, if different than Program Director named above, should be entered below.

NAME	TELEPHONE (Area Code, Number, ext.)
TITLE	